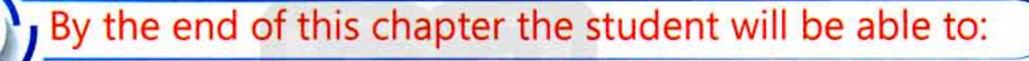


Lessons from 61 till 70



We will combine the explanation of some lessons in order to make it easier for the parent to explain them to the child and for the child to understand them better.



- Compare Egyptian banknotes (1, 5, 10, 20,
- 50, 100, and 200 LE).
- Estimate monetary value of various items.
- Combine 1, 5, 10, 20, 50, and 100 LE notes to create a given total.
- Identify and Discuss different ways to combine banknotes to create a given total.
- Decompose large denominations of money into smaller denominations.
- Add 2-digit and 3-digit numbers without regrouping.
- Solve one-step story problems involving money.
- Add and subtract 2- and 3-digit numbers without regrouping.
- Apply place value concepts to add and subtract money.
- Describe their real-world experiences with money.
- Apply place value concepts to add money with regrouping.
- Add 2- and 3-digit numbers with regrouping.
- Apply place value concepts to subtract money with regrouping.
- Subtract 2- and 3-digit numbers with regrouping.



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة



الصف الثاني الابتدائي



Money



To the parents

By the end of this lesson the student should be able to:

- Compare Egyptian banknotes (1,5,10,20,50,100, and 200 LE).
- Estimate monetary value of various items.

Egyptian Banknotes

تفوقك في أي عمل عليه العلامة دي فريسولية

















200 Pounds

Changing money

Ways for changing Egyptian banknotes, for example:















Counting money





7 pounds







= 35 pounds



2+2





= 178 pounds







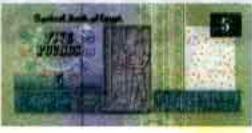












= 386 L.E.













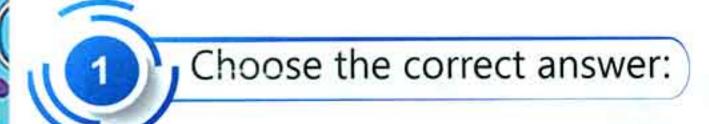
= 282 L.E.

%7=3+V6<17>2-

















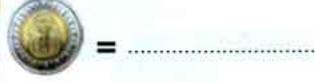
(106 pounds - 301 pounds - 103 pounds)











(18 pounds - 81 pounds - 801 pounds)











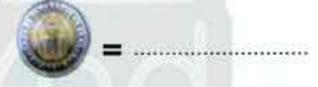
(575 pounds - 550 pounds - 557 pounds)











(351 pounds - 251 pounds - 350 pounds)









(281 pounds - 185 pounds - 218 pounds)











(76 pounds - 67 pounds - 65 pounds)







Complete as in the example:







= 175 pounds





pounds











pounds





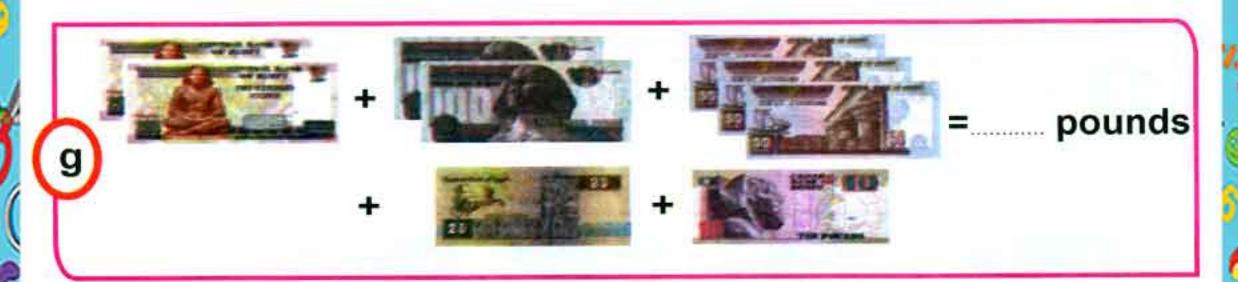


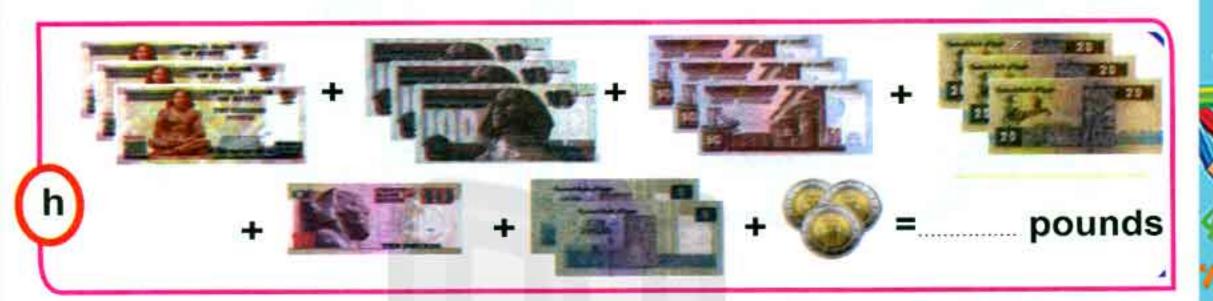


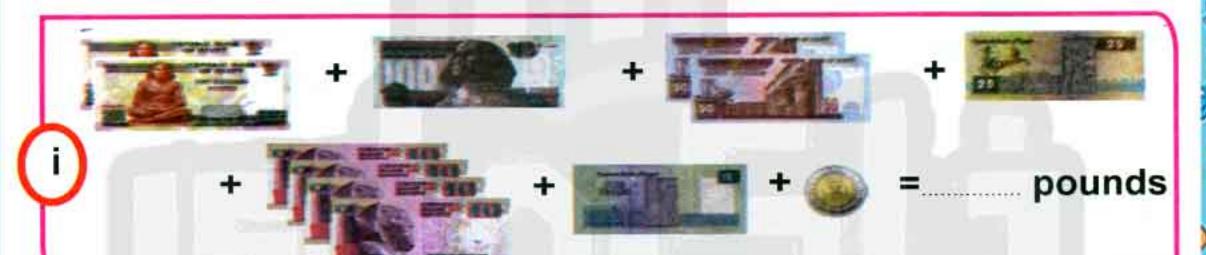








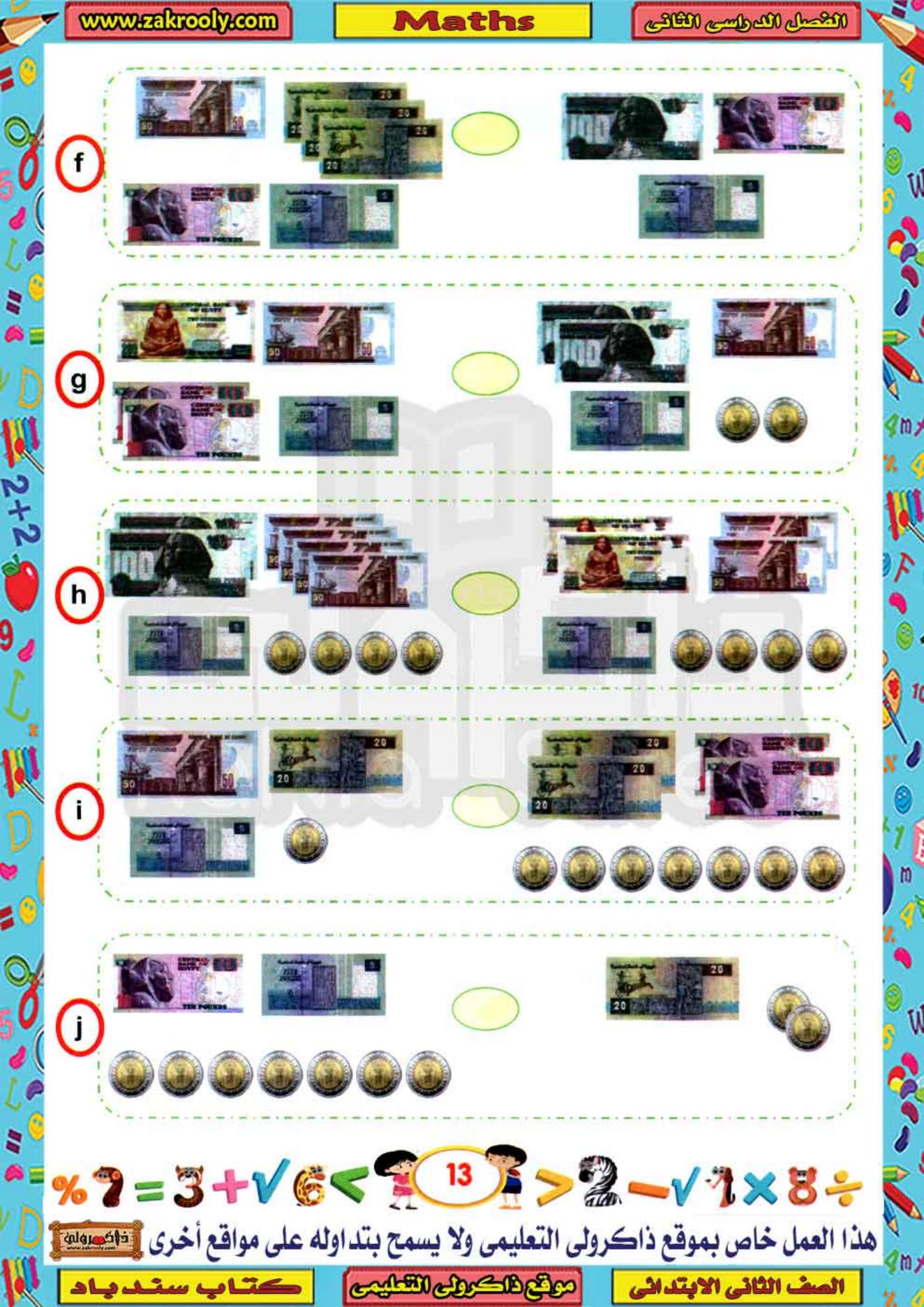






%7=3+V6<10 >2-







Money



To the parents By the end of this lesson the student should be able to:

- Combine 1, 5, 10, 20, 50, and 100 LE notes to create a given total.
- Identify and Discuss different ways to combine banknotes to create a given total.
- Decompose large denominations of money into smaller denominations.



Exercise 2

Decompose large banknotes of money into smaller banknotes:

(5 - Pounds) note





5 pounds



..... of (1 - Pound) coin.



5 pounds



..... of (5 - Pounds) note.



(10 - Pounds) note



5 pounds



..... of (1 - Pound) coin.







(b)10 pounds



..... of (5 - Pounds) note.



(20 - Pounds) note



a) 20 pounds



= of (1 - Pound) coin.



b 20 pounds



of (5 - Pounds) note.



(c) 20 pounds 🖁



= of (10 - Pounds) note.



(50 - Pounds) note



..... of (1 - Pound) coin.



b 50 pounds

50 pounds



= of (5 - Pounds) note.



50 pounds 🥻



= of (10 - Pounds) note.



(100 - Pounds) note



100 pounds



= of (1 - Pound) coin.



b) 100 pounds



= of (5 - Pounds) note.

















- (c) 100 pounds = of (10-Pounds) note.



- (d) 100 pounds _____ = of (20 Pounds) note.



- (e) 100 pounds 🔟
- - = of (50-Pounds) note.



- f) 100 pounds = of (100-Pounds) note.



(200 - Pounds) note



= of (1 - Pound) coin.



(b) 200 pounds

a 200 pounds



= of (5 - Pounds) note.



c 200 pounds



=..... of (10-Pounds) note.



(d) 200 pounds



of (20- Pounds) note.



(e) 200 pounds



= of (50-Pounds) note.





f) 200 pounds = of (100-Pounds) note.





g) 200 pounds = of (200-Pounds) note.















هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى المعلقة المعلى المعلقة ا



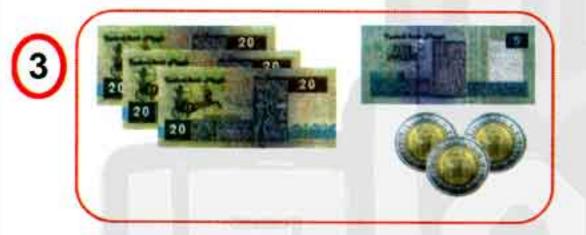
Join equal amounts of money:



























Tick (✓) the amount of money that you need in order to buy the following objects:









هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى المعلقة المعلقة







363 L.E.



85 L.E.

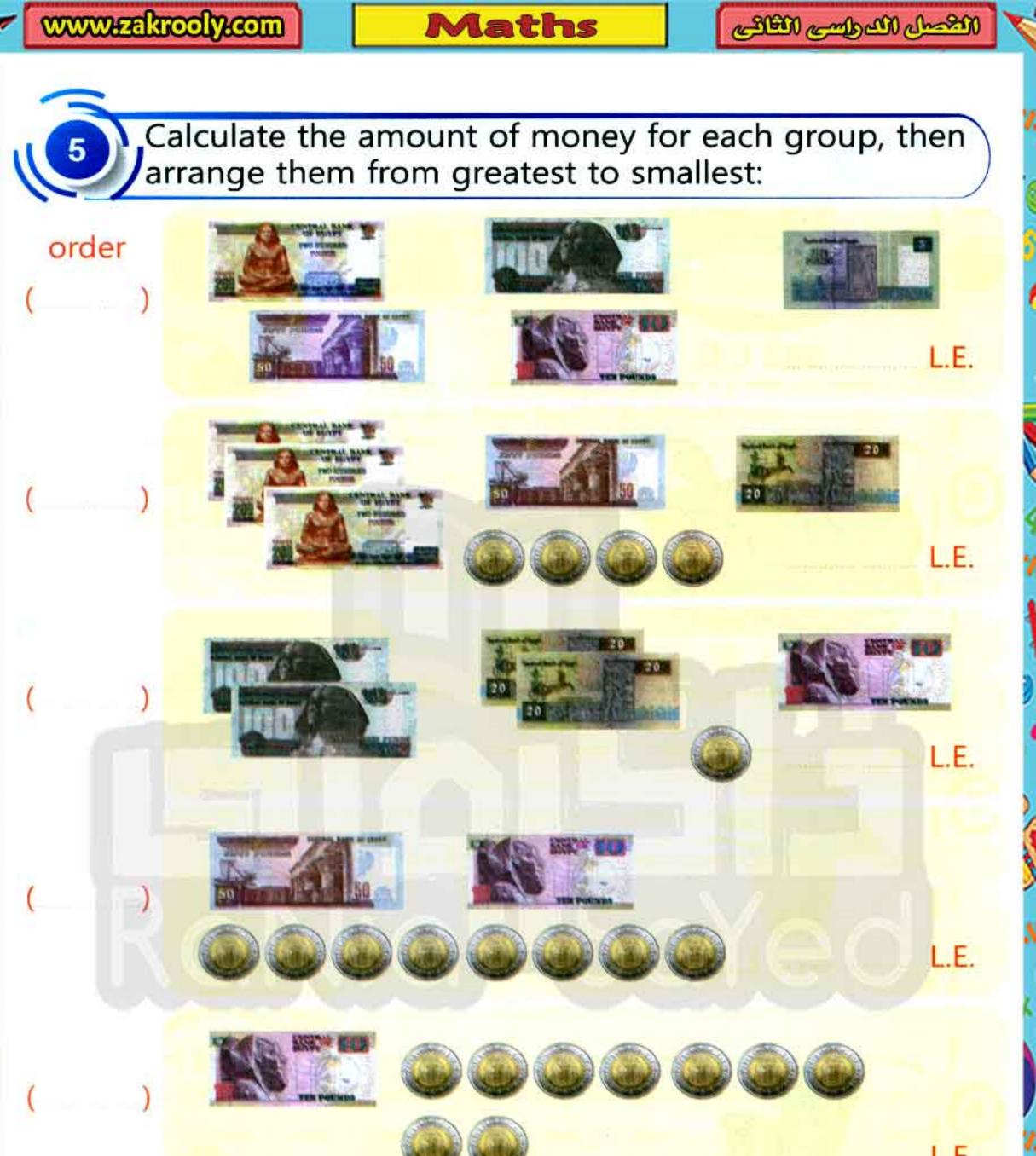


578 L.E.



%7=3+V6< (21) >2-V1×8+

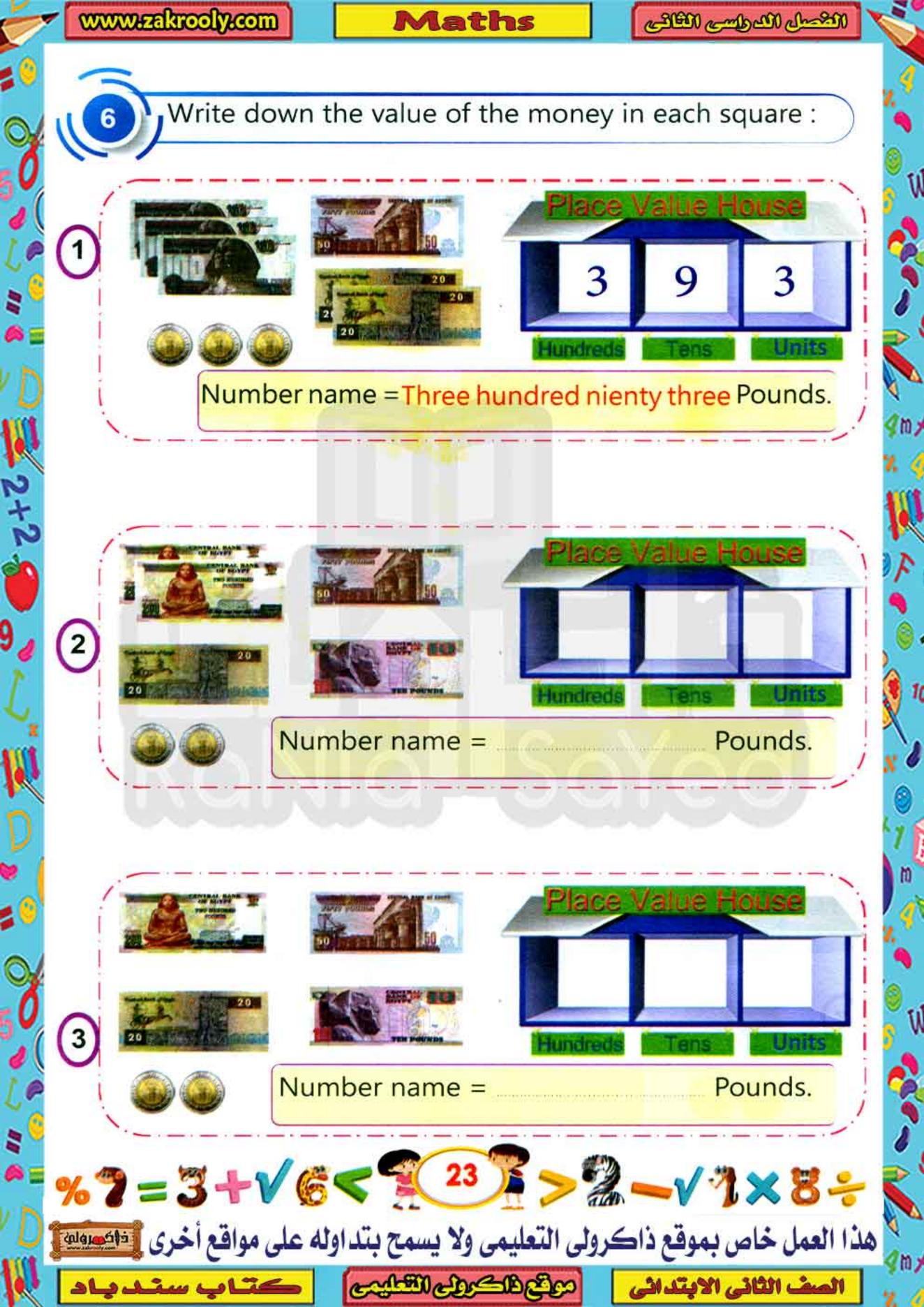
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلقة المعل











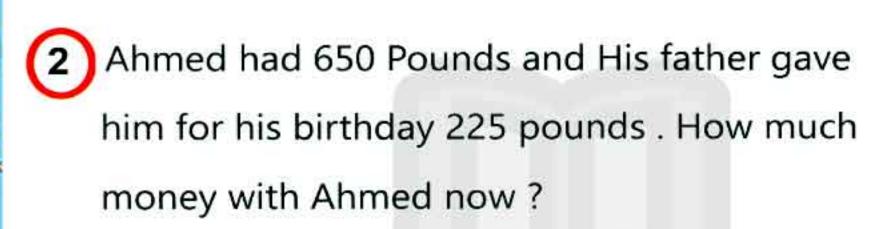




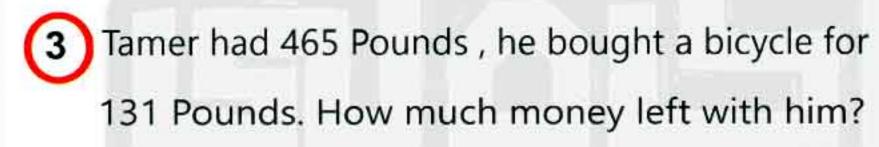
Word Problems on money:

1 Sarah bought a pair of shoes for 367 L.E. and a dress for 531 L.E . How much did she pay?

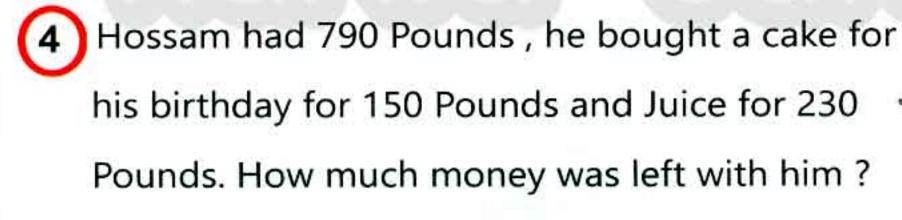
Pounds Sarah paid = ____ + __ = ___



Ahmed has = Pounds



Ahmed has = = Pounds



= Pounds















Add 2 or 3 digit numbers



البطاعلي صفينا على الفسيوك

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To the parents

By the end of this lesson the student should be able to:

- Add 2-digit and 3-digit numbers without regrouping.
- Solve one-step story problems involving money.

When adding, start adding the units, then add the tens and after it add the hundreds

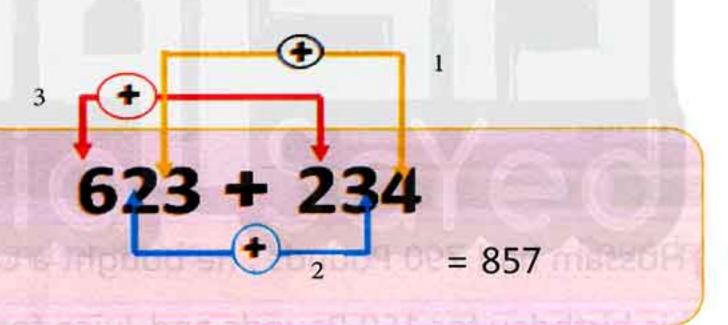
Example



Add: 623 + 234

Answer

Horizontal Method



Vertical Method







Exercise 3

Find the sum:

25 + 43

71 + 26

54 + 32

30 + 18

51 + 46

2+2

47 + 22

68 + 10

32 + 54

70 17

83 16

25 + 44

69 + 20

+ 31

36 + 52

+ 21











2+2

9,

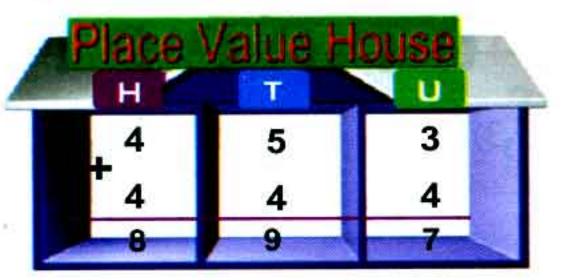
Complete as in the example:





2+2

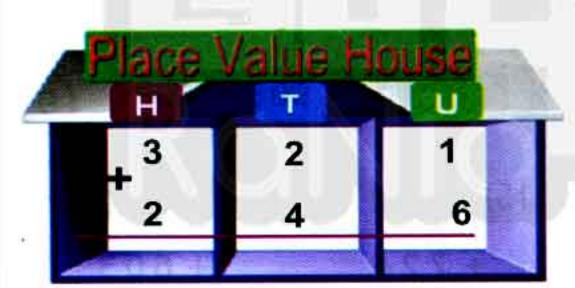
Complete as in the example:



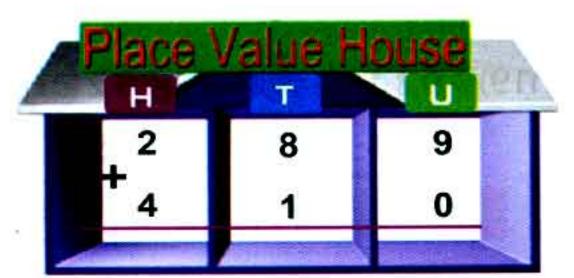
	Place '	Value F	louse	Bh.
	H	T	V u	200
	7	4	6	
8	1	5	2	
		And Park		WE.



Place	Value F	louse
H	T	U
_ 5	3	2
1	3	2



Place	Value H	ouse	
H	T	U	P
2	5	0	
	2	6	



ΔF	Place \	Value I	House
	H	T	U
	4	6	7
	T 1	1	2





10

S

27247

ړ9

Find the sum:

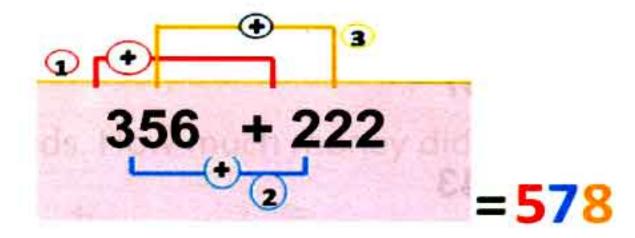
Addition Drill

0000000

1(



Find the sum as in the example:



Join the equal sums:

(1) 331 + 247

(a) 222 + 121

(2) 356 + 343

b 242 + 56

3 220 + 60

© 578

(4) 200 + 98

d) 600 + 99

(5) 200 + 10

e 280

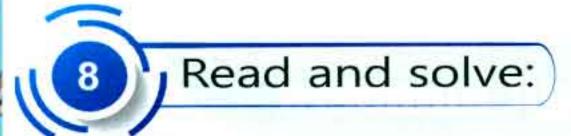
(6) 211 + 132

- (f) 210
- Put the suitable sign < , > or =:
- 1) 121 + 232 331 + 542
- 331 + 542 (2) 21 + 531 434 + 222

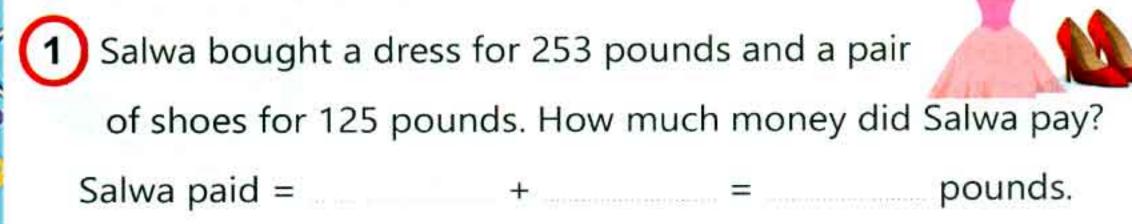
1(

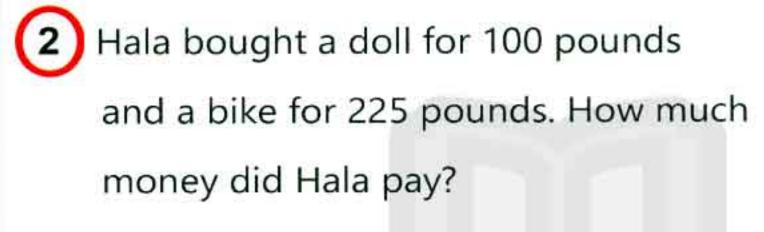
- (3) 335 + 631 555 + 321
- 4 213 + 343 132 + 424
- (5) 326 + 320 650 + 25
- (6) 421 + 410 630 + 32
- 7 400 + 500 56 + 900
- 8 588 313 + 276
- 9 531 + 13 544
- 10) 999 7 444 + 555





Hala paid = +







3) Ahmed had 134 pounds, his father gave him 305 pounds. How much money with Ahmed now?



pounds. Ahmed has =

Noha bought from the supermarket candies for 25 L.E. and also bought dishwashing liquid for 42 pounds. How much money did Noha pay?



Noha paid = pounds.

Maha had 273 pounds, and her sister had 321 pounds. What is the total amount of money?



Total money = + = pounds.



essons

67,68



Subtract 2 or 3 digit numbers



By the end of this lesson the student should be able to:

- Subtract 2-digit and 3-digit numbers without regrouping.
- Solve one-step story problems involving money.

When adding, start adding the units, then add the tens and after it add the hundreds

Example

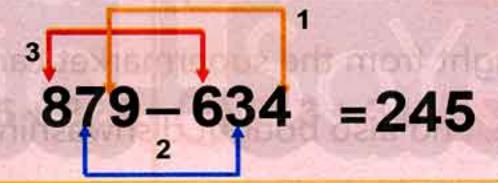


879 - 634 Subtract

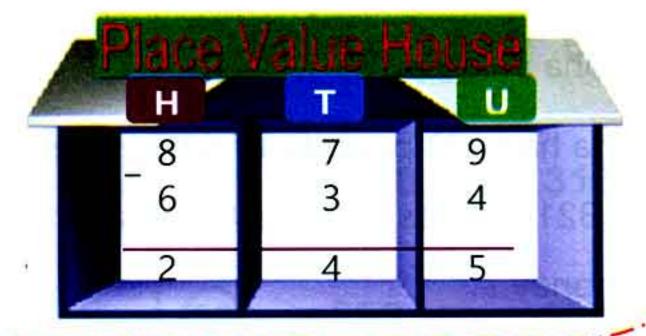
Answer

Horizontal Method

Subtract



Vertical Method



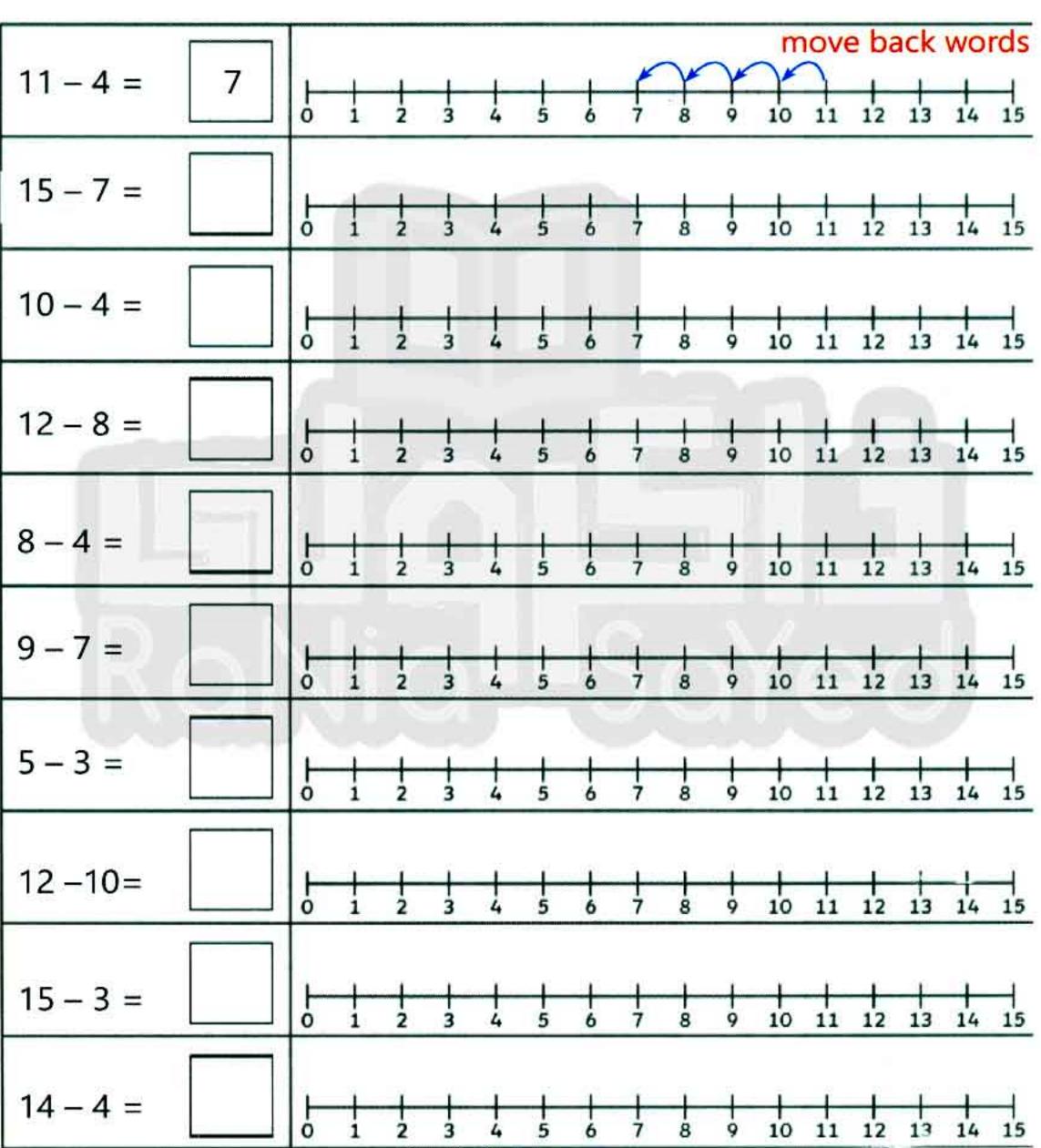




Exercise 4

ړ9

Use the number line to find the difference:









2+2

9,

Complete as in the example:





Place value subtraction:

Subtracting large numbers is all about understanding place value. if you can break numbers down to their place value, then subtracting big numbers will be easy. like this

hundreds	tens	Units
7	5	8
_ 2	2	6
5	3	2

hundreds	tens	Units
4	7	7
- 1	0	4

7	7
4	1
	7

hundreds	tens	Units
8	3	7
- 2	1	2

hundreds	tens	Units
3	6	1
- 3	5	1

hundreds	tens	Units
5	7	5
- 3	4	1

hundreds	tens	Units
8	1	9
-	1	6

tens	Units
7	9
5	0
	7

tens	Units
6	5
2	1

3	8
2	1
	3 2





Complete as in the example:



Subtraction: Rewrite the equation so that bigger number is stacked on top. Then find the difference.

example





Calculate the difference:

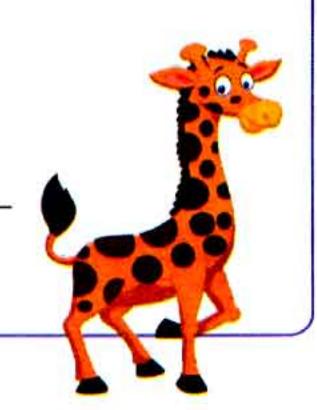


Subtraction

6

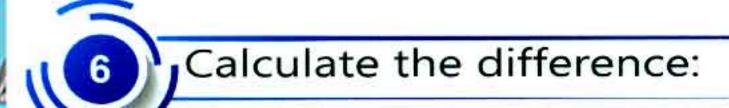
2+2

9,









Subtract 569 <u>- 112 = 457</u>

Join the equal results:

- **1**) 867 452
- 985 232
- 790 350
- 856 543
- 298
- 121 + 122

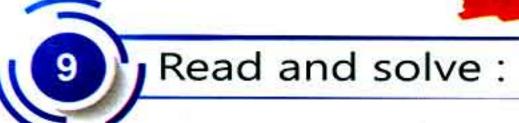
- 700 + 53
- **(b)** 210 + 230
- (c) 213 + 202
- (d) 300 + 13
- (e) 200 + 43
- (f) 200 + 8 + 90

Put the suitable sign < , > or = :

- 390 280 100 + 21 2 873 521
- **(3)** 795 634
- **(5)** 322 +346 668
- **(7)** 300 100 100
- 9 560 240 250

- **(4)** 999 545 631 +225
- (6) 700 + 25 424 +363
- **8** 786 351 878 – 100
- **10)** 336 313 **988** 105 –

Word Problems



1) A country veterinarian treats 218 animals in a month. He nurses pets and farm animals. If he treats 113 pets, sets, how many farm animals are left without treatment?



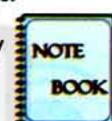
Animals without treatment = ____ = ___ animals.

Jenna and Sarah are playing an online game. Jenna scored 574 points and Sarah scored 341 points. How many more points did Jenna score than Sarah?



Jenna scored = - = scores.

Nicole bought a 250 pages notebook for her assignment. She completed her assignment in 130 pages. How many NOTE blank pages were left over in the notebook?



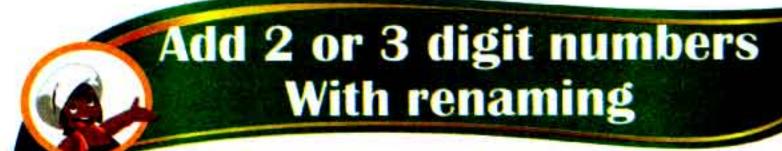
Blank pages = - Pages. Amena bought a baby bed for her little daughter. The list price was 389 L.E. . If she used a coupon worth 264L.E., how much did Amena spend on the bed?

Amena spend = ___ =

Mike and Jack went to a beach for parasailing. Mike's parasail wing rose up to 829 feet while Jack's rose up to 619 feet. How high did Mike parasail than Jack?



Mike parasailed height = ____ = ___







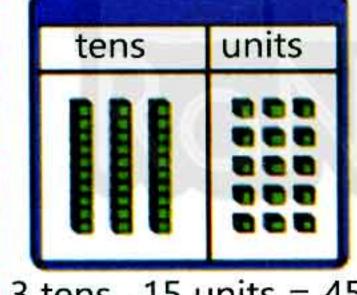
By the end of this lesson the student should be able to:

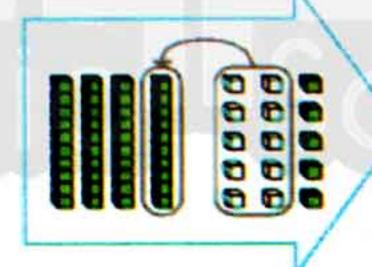
- Add 2 digit and 3 digit numbers with renaming.
- Solve one-step story problems.

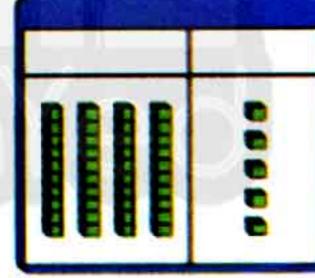
Students are introduced to the concept of regrouping by using tens and units blocks to show how to regroup 10 units as 1 ten. This helps students think of numbers in terms of units and tens instead of just units.

Example

Regroup 10 units as 1 ten.







3 tens, 15 units = 45

- The focus of instruction is on the use of place-value concepts.
- When adding two-digit numbers, children will be looking at the units and decide if they can regroup them for a ten.





Example (2)



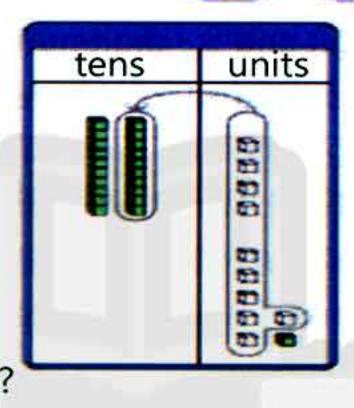
Add 14 + 7

Think:

I have 1 ten and 4 units I want to add 7 units

Think:

I know that 4+7= 11, so I can make a ten



tens	units

my

2 tens and 1 units

Example



Add 58 + 24

Think:

I must remember to write the 2 under the units column when I have 12 units to show that there are 2 units left a fter regrouping.

Think:

I must remember to write 1 in the tens column when I make 1 ten.

tens	units
5	8
+ 2	4
	2



tens	units
1	
5	8
+ 2	4
8	2









Find the sum:

Regrouping

55

15















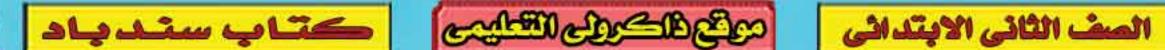
2+2



ADDITION with REGROUPING









Place value addition:

Adding large numbers is all about understanding place value. if you can break numbers down to their place value, then adding big numbers will be easy. like this:

Now you try it!

h	undreds	tens	Units
	5	1	4
	+ 3	2	8
	8	4	2

1.	hundreds	tens	Units
	7	1	3
	+ 2	3	8

2.	hundreds	tens	Units
	6	3	3
	+ 3	1	5

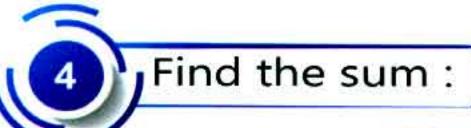
5
4_

3.

6.	hundreds	tens	Units
	3	4	8
	+ 1	0	0

4	1
9	9
	9

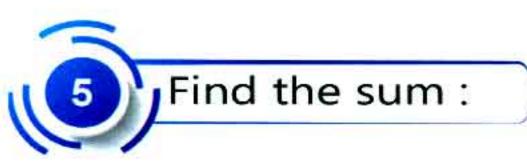




Addition Drill

2+2

9,



Addition Drill

$$6)816 + 150 =$$

ړ9

$$8)$$
 180 + 750 =

$$9)373 + 562 =$$

2+2

ړ9



Campfire Addition

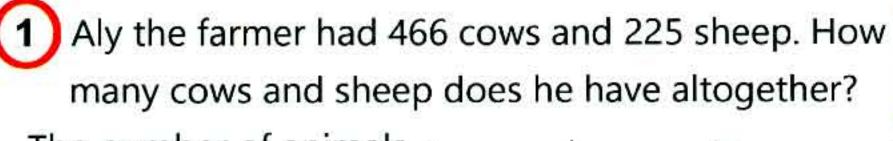






Word Problems







The number of animals = + = animals

On the first day, Sami read 221 pages in his book. The next day he read 479 pages. How many pages did Sami read?



Number of pages = _____ + ___ = ___ pages.

Two buses went to get students to school. The first bus had 39 students and the second bus had 79 students. What is the total number of students on the buses?

Number of students = + = students.

In a school, there was 348 boys and 265 girls. What is the total number of students in the school? IIII ** ** Number of students = ____ + ___ = ___ students. 🎉



Majid had 508 stamps. He bought 297 new stamps. So what is the total number of stamps with Majid now? Total number of stamps = + = stamp.







Subtract 2 or 3 digit numbers With renaming



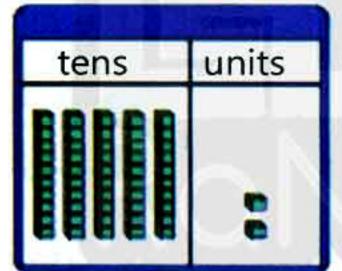
By the end of this lesson the student should be able to:

- Subtract 2-digit and 3-digit numbers with renaming.
- Solve one-step story problems.

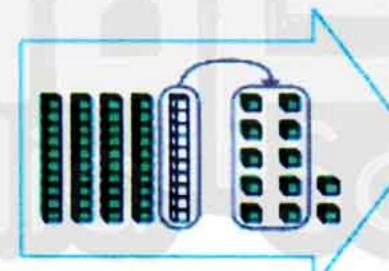
Students are introduced to the concept of regrouping by using tens and units blocks to show how to regroup 1 ten as 10 ones. This helps to prepare children for regrouping tens when subtracting two-digit numbers.



Regroup 1 ten as 10 units.



5 tens , 2 units = 52



units tens

4 tens and 12 units = 52/

- The focus of instruction is on the use of place-value concepts.
- When subtracting two-digit numbers, children will be looking at the tens and decide if they can take 1 ten and regroup it to 10 units.



Example (2)



Subtract 34 - 9

Think:

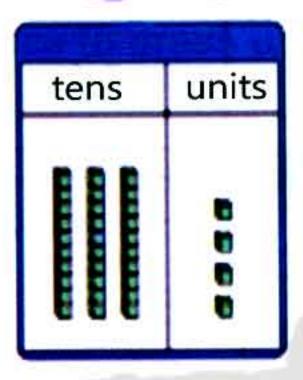
I have 3 tens and 4 units and I want to take away 9 units

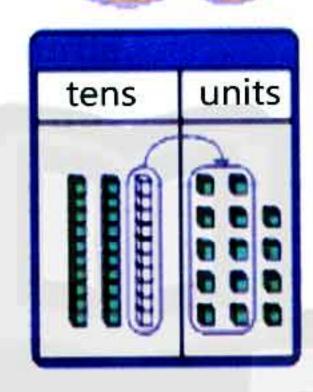
Think:

I need more units, I will regroup 1 ten as 10 units

Think:

I now have 2 tens and 14 units, so I can take away 9 units, leaving 2 tens and 5 units.





tens	units
80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

2 tens , 5 units = 25

Example (3)



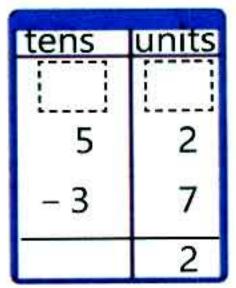
Add 58 + 24

Think:

Do I need to regroup?

Think:

I can regroup 1 ten as 10 units. Now I can subtract 7 units from 12 units and 3 tens from 4 tens. the answer is 15.





tens	lunits
4	12
15	X
- 3	7
1	5





Exercise 6

Find the difference as in the example:



Dragonfly: Borrowing

2 32 12
– 18
14



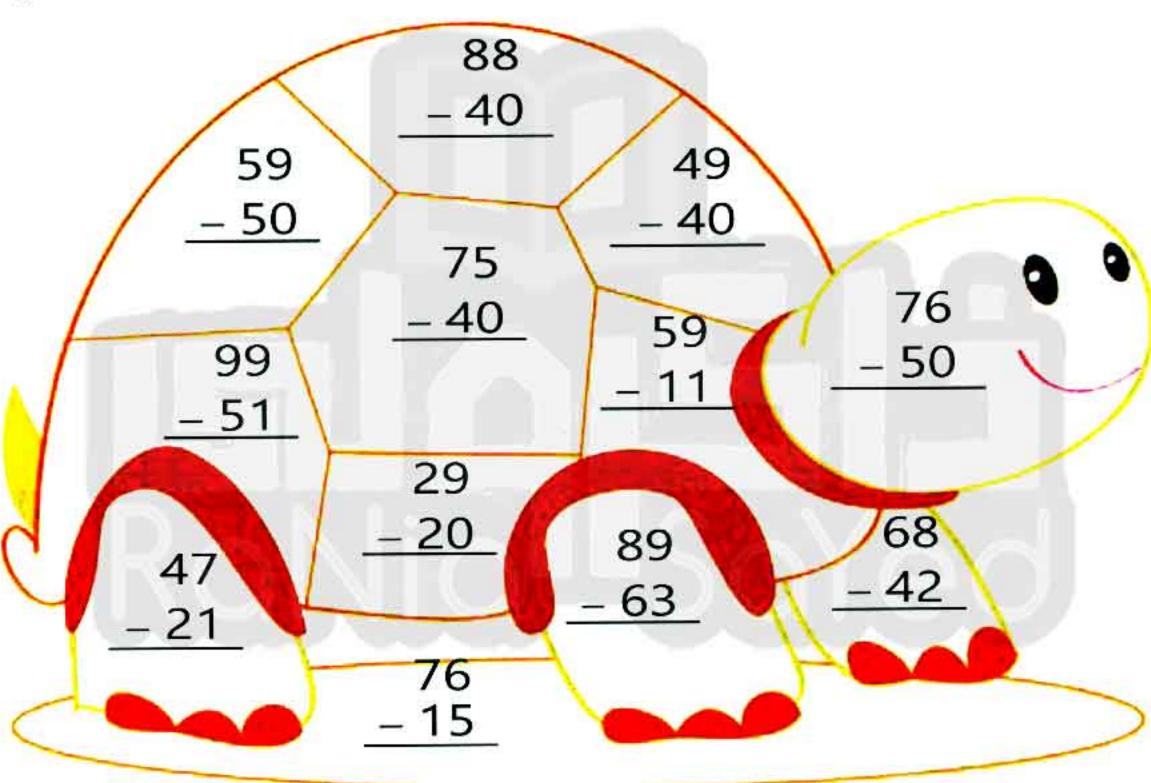




Color and Find the difference:

color in Mr. Turtle

Find the difference. Use the key below to color in each space to dress up Mr. Turtle.



48 61 35 26 Answer =

Color grey blue green





Find the difference:

Train Your Brain

Subtraction: Regrouping

First regroup the
tens and Units
Subtract the Units

AZØ - 164 56

Then regroup the hundreds and tens. Subtract the tens.

Finally, subtract the hundreds.

my

Subtract.

212

 1.
 432
 385
 234
 612
 844
 752

 - 126
 - 197
 - 117
 - 386
 - 578
 - 364

 2.
 357
 705
 287
 656
 833
 928

 - 219
 - 618
 - 178
 - 289
 - 745
 - 549

 3.
 461
 232
 724
 811
 502
 732

 - 283
 - 256
 - 437
 - 452
 - 319
 - 554

 4.
 670
 700
 473
 236
 814
 523

 - 489
 - 327
 - 198
 - 157
 - 349
 - 264

 5.
 615
 367
 621
 540
 800
 404

 - 389
 - 178
 - 291
 - 167
 - 593
 - 275

6. 300 791 264 824 515 606 - 156 - 395 - 168 - 527 - 266 - 159

7. 573 841 235 307 736 504 — 284 — 457 — 118 — 184 — 258 — 369





Find the difference:

- 1)
- 2)
- 3)
- 4)

- 5)
- 6)

- 7)
- 8)

- 9)
- 10)
- 11)
- 12)

- 13)
- 14)
- 15)
- 16)

- 18)
- 20)





Find the difference:

$$926 - 849 = 77$$





Find the difference between the two numbers as in the example as in the example:

- 1- Find the difference between 327 and 115 The difference = 327 - 115 = 212
- 2- Find the difference between 886 and 517 The difference =
- 3- Find the difference between 618 and 737 The difference =
- 4- Find the difference between 520 and 317 The difference =
- Complete as in the example:
 - 1- What is the increase of 682 than 347 The difference = 682 - 347 = 335
- 2- What is the increase of 845 than 246 The difference =

9,

3- What is the increase of 987 than 549 The difference = = =

- 4- What is the increase of 564 than 283 The difference =
- 5- What is the increase of 431 than 228 The difference =
- Complete as in the example:
 - 1- What is the decrease of 323 than 747 The difference = 747 - 323 = 424
- 2- What is the decrease of 624 than 871 The difference =
- 3- What is the decrease of 666 than 744 The difference = ____ = ___
- 4- What is the decrease of 275 than 709 The difference = Mark - Daniel =

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة الصف الثاني الابتدائي مركع الكرائي التعليم

Word Problems



1) If the number of students in the school is 878 students, 498 students are boys. How many girls are in school?

Number of girls = ____ = __ students



The fruit seller had 504 kg of apples, and he sold 387 kg of them. How many kilograms of apples are left?



The number of remaining kilograms = ______ kg.

The number of students in the second primary class are 397. If 196 students paid to go to the trip. How many students are not going? The number of students who are not going

– students.



4) Ahmed had 785 pounds, and he gave his brother 337 pounds. How much money were left with Ahmed?



Remaining money = ____ = ____ pounds.

Majid had 500 stamps, he sold 297 stamps. How many stamps were left with Majid?



stamp.

%?=3+V6< \$ 62 }>2-V?

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

الصف الثاني الابتدائي (مركم الكري الكليبي) كتاب سندياد

6 Ahmed had 205 pounds, and he gave his brother as a gift for the birthday 120 pounds. How many pounds remained with Ahmed?



The remaining amount = _____ pounds.

7 Hossam had 800 pounds. He bought a bike for 568 pounds. How much money remained with Hossam?

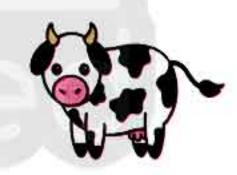


The remaining amount = ____ pounds.

8 If the number of students in a school was 999, 249 students were absent from the school. How many students were at the school? The number of students who are present - students.



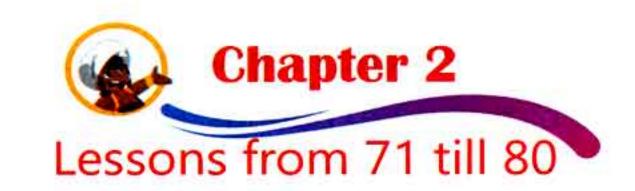
9 There were 835 cows in the farm, and the farmer sold 267 cows. How many cows left on the farm? Number of cows = ____ = ___ cows.



التب ذاكرولي في البحث وانضى لجروبات ذاكرولي منه رياض الاطفال للصف الثالث الاعدادي









We will combine the explanation of some lessons in order to make it easier for the parent to explain them to the child and for the child to understand them better.

By the end of this chapter the student will be able to:

- Determine whether a number is even or odd.
- Describe a number as even or odd.
- Determine whether doubling a number results in an even or odd sum.
- Find the sum of two numbers.
- Determine whether adding an even and an odd number results in an even or odd sum.
- Identify the rule for a number pattern.
- Extend a number pattern two places.
- Apply a rule to create a number pattern up to five places.
- Add or subtract to extend a pattern.
- Match a rule to a number pattern.
- Extend number patterns using a given rule.
- Create a pattern rule and matching number pattern.
- Identify the rule in a number pattern.
- Create addition and subtraction pattern rules.
- Extend number patterns to five places using a given rule.
- Define array.
- Identify arrays and non-arrays.
- Create an array.
- Use repeated addition to find the total number of objects in arrays.
- Write addition equations to express the total number of objects in an array.
- Write addition equations to express the total number of objects in an array.
- Design an array using repeated addition.









Odd and Even Numbers



By the end of this lesson the student should be able to:



- Determine whether a number is even or odd.
- Describe a number as even or odd.
- Determine whether doubling a number results in an even or odd sum.
- Find the sum of two numbers.
- Determine whether adding an even and an odd number results in an even or odd sum.

First: Even Numbers.

Mum is picking some apples from the tree. Can she distribute (share equally) the apples among the 2 baskets, So that each basket will have the same amount of apples?



The answer: yes, each basket will hold 1 apple only.





If we can divide the apples equally so that each basket will hold the same amount of apples, then it is called Even Numbers.



What about Number 6 can I share it equally among the 2 baskets?

Mum is picking some apples from the tree .Can she distribute (divide equally) the apples among the 2 baskets, So that each basket will have the same amount of apples?







The answer: yes, each basket will hold 3 apples.







- So even numbers are numbers that can be divide into 2 equal groups.
- Even numbers ends with 0, 2, 4, 6, 8 regardless of how many digits they have (we know that the number 624 is even because it ends in a 4!)

Second: Odd Numbers

I wonder will I be able to divide them equally on the 2 two baskets?!!

Mum is picking some apples from the tree. Can she distribute (divide equally) the apples among the 2 baskets, So that each basket will have the same amount of apples?







I think, I can't divide them equally there is one apple left and I can't put it in any of the baskets.

The answer: No, we can't divide them equally.





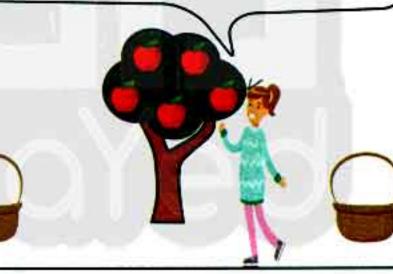


If we can't divide into 2 equal groups, so that each basket will hold the same amount of apples without any left overs, then it is called Odd Numbers.

What about Number 5 can I share it equally among the 2 baskets?

I wonder will I be able to divide them equally on the 2 two baskets?!!

Mum is picking some apples from the tree .Can she distribute (share equally) the apples among the 2 baskets. So that each basket will have the same amount of apples.



I think, I can't divide them equally there is one apple left and I can't put it in any of the baskets.

The answer: No, we can't divide them equally.









- So odd numbers are numbers that can't be divided into 2 equal groups.
- Odd numbers ends with 1,3,5,7,9 regardless of how many digits they have (we know the number 249 is odd because it ends in a 9!)





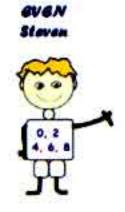
- 1) An even number + 2 = an even number.
- For example : 6 + 2 = 8
- An even number +1 = an odd number.
- For example : 8 + 1 = 9
- 3) An odd number + 2 = an odd number.
- For example : 5 + 2 = 7
- 4) An odd number + 1 = an even number.
- For example: 3 + 1 = 4
- 5) Each even number can be divided into pairs without remainder.
- 6) The sum of 2 even numbers is an even number.
- For example : 14 + 24 = 38
- 7) The sum of 2 odd numbers is an even number.
- For example : 13 + 17 = 30
- The sum of an odd number and an even number is an odd number.
- For example : 11 + 24 = 35

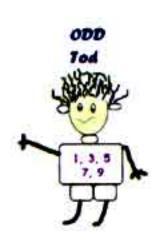


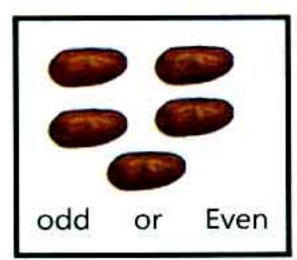


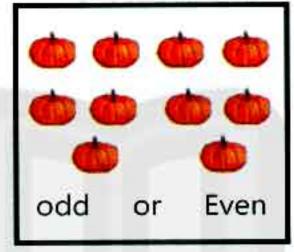
Exercise 1

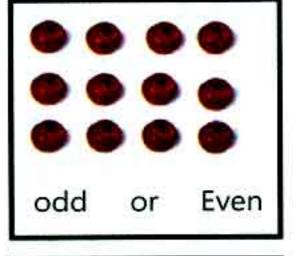
Count and circle odd or even:

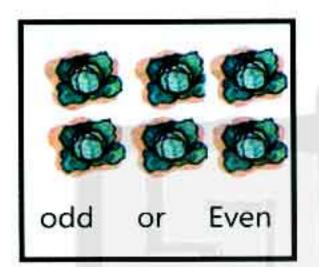




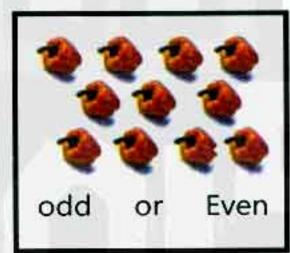


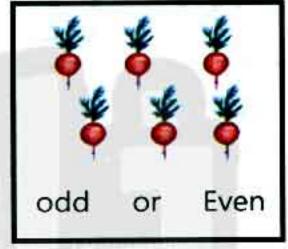


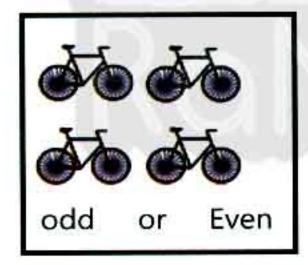


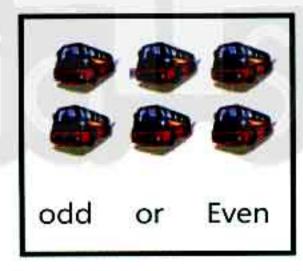


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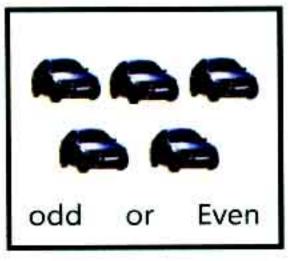


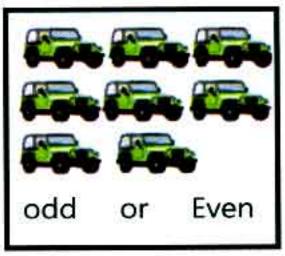


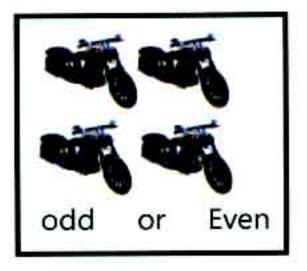
















Circle all of the odd numbers in red. Circle all of the even numbers in blue:

77	9	25	34	10	8 [12	17	12
49	23	21	310	0 1	54	8	8	430
49 152	6	78 1	3 10	993 121	1 2.7	90	15 76	55
					54 2			

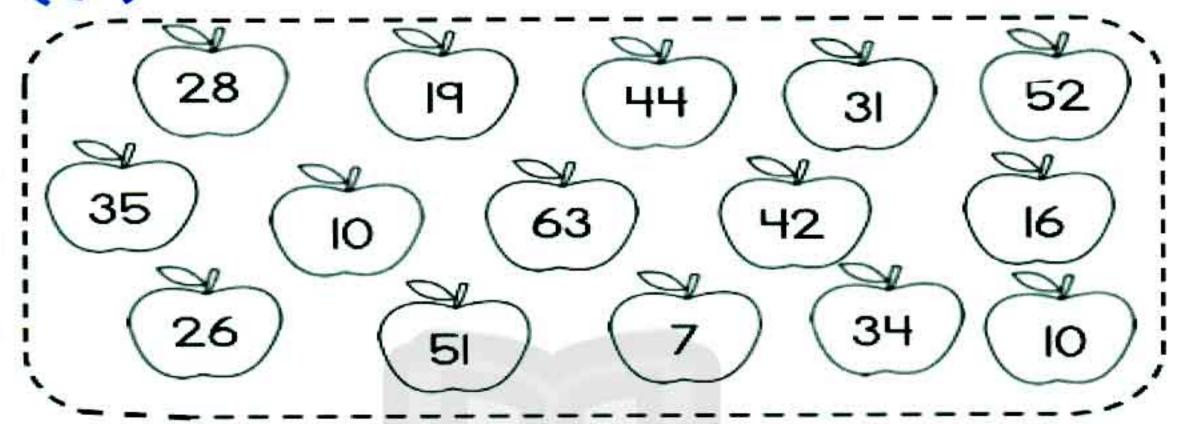
Circle all odd numbers:

68	91	26	43	82	37	14
83	25	54	98	17	69	40
55	70	99	22	81	48	75





Color the even numbers Orange and odd numbers blue:



- Choose the correct answer:
- 1) Write the smallest even number formed by the digits 7,3 and 2
- 2) Write the greatest odd number formed by the digits 1, 9 and 8.
- Write the greatest even number formed by the digits 2, 5 and 4.
- Write the smallest odd number formed by the digits 3, 7, and 8.

Without adding, write "even" or "odd" in the blank:

16 + 22 (Even)

b 87 + 56

(C) 112 + 716

d 300 + 30

899 + 99 (e)

(f) 600 + 1

9 12 + 19 14 + 85 (odd)

11 + 53

14 + 15

112 + 674

511 + 22

m) 812 + 33 3 + 0

Complete the following:

1) The even number between 35 and 45

2) The odd number between 34 and 44

3) The even number just before 32 is

4) The odd number just after 46 is

5) The odd number just after 45 is

6) The even number greater than 24 and smaller than 28 is

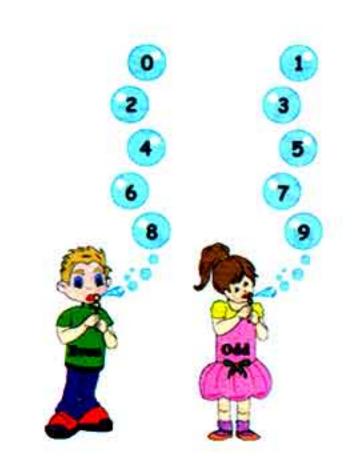
7) The odd number smaller than 37 and greater than 33 is

8) The odd number just before 881 is

The odd number just after 236 is



- Any even number + 1 = number
- Any odd number + 1 = ____ number
- Any even number + 2 = number
- Any odd number + 2 = number
- Any odd number 2 = ____number
- Any odd number 1 = number



Choose the correct answer

- is an odd number . (30, 39, 32)
- The even number from the numbers 5,0,1

(501, 105, 150)

- 3 Two even numbers their sum is 30 are
 - (12 and 18, 12 and 14, 29 and 1)
- Is an even number . (23, 37, 32)
- The even number between 18 and 22 (23, 20, 24)
- 6) Two consecutive odd numbers whose sum is 12
 - (4 and 8, 5 and 4, 5 and 7)
- 7) The odd number between 29 and 33 is (27, 35, 31)
- (8) Any even number + Any odd number = (odd, even)







Look at the number on each sports t-shirt. Write odd or even:













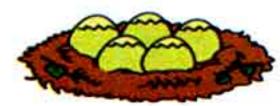




Solve the maze:

Help the bird to find her nest by circling all the odd numbers.

3	4	15	49	34	96	62	70
6	20	94	23	28	68	12	86
39	53	61	7	76	88	10	32
13	52	86	48	56	24	92	14
71	25	99	83	4	46	50	22
24	36	54	45	66	72	8	40
90	42	80	1	74	98	64	58
82	18	2	37	73	41	55	19
30	84	78	16	60	38	44	63

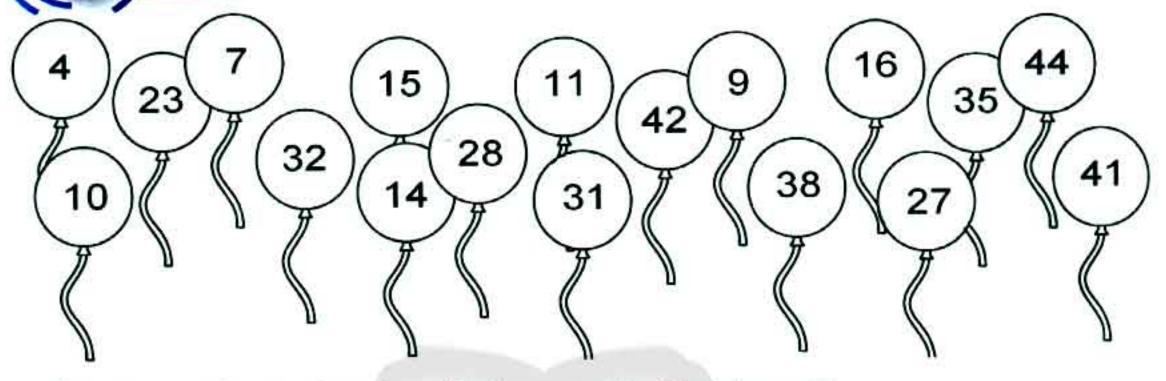








Odd and even party! Can you color the odd numbers in red and the even numbers in blue?



Can you put the numbers in order from smallest to biggest?

Odd				
Even				

Use doubling to determine whether it's odd or even:

picture	double	Odd \ even
	3 + 3 =	
38		





Use doubling to determine whether it's odd or even



1+1=

Odd \ even

%7=3+V6< 178 1



Numerical Patterns



parents

By the end of this lesson the student should be able to:

- Identify the rule for a number pattern.
- Extend a number pattern two places.
- Apply a rule to create a number pattern up to five places.
- Add or subtract to extend a pattern.
- Match a rule to a number pattern.
- Extend number patterns using a given rule.
- Create a pattern rule and matching number pattern.
- Identify the rule in a number pattern.
- Create addition and subtraction pattern rules.
- Extend number patterns to five places using a given rule.

Patterns

A pattern is when there are things or numbers arranged according to a certain rule.

- A pattern is a group of numbers, shapes, or objects that follow a rule while repeating or changing.
- A list of numbers that follow a certain sequence or pattern. Example: 1, 4, 7, 10, 13, 16, ... starts at 1 and jumps 3 every time.
- In this chapter we will: Focus on the pattern of numbers.
- Patterns repeat if we find the rule and we can know what will happen later.







Example (1)

- a) 0, 10, 20, 30, 40, ..50.., ..60..
- b) 90, 80, 70, ..60.., ..50..

(Counting by Tens backwards and forwards)

Example (2



- a) 0, 2, 4, 6, ..8.., ..10..
- b) 1,3,5,...7..,..9..
- c) 20, 22, 24, ...26.., ...28..

Rule: (skip Counting by 2)

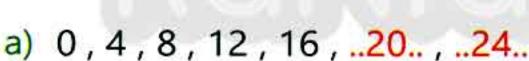
لا تئس الاشئراك في قنـوات زاكـرولى على نطيق الليجرام

Example

- a) 0,5,10,15,..20..,..25..
- b) 85,80, 75,...70...,...65...

Rule: (skip Counting by 5)

Example



b) 84,88, 92, ...96..., ...100...

Rule: (Add 4)

Example (5)

- a) 11, 21, 31, 41, ..51.., ..61..
- b) 46,56,66,76,..86..,..96..

Rule: (Add 10 to the tens place)

تابع جدہد ذاکرولي علی ويسبحوك توينــر وائےس اب تليجــر ام



Example 6

a) 121, 131, 141, 151, ...161..., ...171...

Rule: (Add 1 to the units place)

Example 7

a) 101, 121, 141, ..161.., ..181..

Rule: (Skip counting by 2 in the tens place)

Example (

a) 36, 33, 30, 27, ...24..., ...21...

Rule: (Subtract 3)

Example 9

a) 123, 234, 345, ...456..., ...567...

Rule: (Add 1 to the hundreds place and Add 1 to the tens place and add 1 to the unit place)

Example (10

a) 330, 333, 336, 339, 342, 345

Rule: (Add 3)

Example (1)

a) 101, 122, 143, 164, 185, 206

Rule: (skip count by 2 in the tens place and add 1 to the units place)



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

لا تنس الاشنراك في

قنـوات ذاكـرولى

على تطييق الثليجرام



Find the number pattern below and complete the missing:

33 30 , 27 , .24 , ... E

10, 20, 30,, 60, 70,, 90,

30, 35,, 50, 55,, 65,, 75

11, 12, 13,, 15, 16,, 19,

44, 46,, 52, 54,, 58,, 62

65, 60, 55,, 45,, 35,, 25,

%7=3+V6< \$\frac{82}{2} > 2 -\frac{1}{2} \ 8 \cdot \

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

ف الثاني الابتدائي (ص الع الكريل التعليم) كتاب سند ب



Follow the pattern and fill in the correct circle:

10, 20, 30

5, 10, 15 -

4, 8, 12 -

22, 33, 44

3, 6, 9 —

ړ9

25, 50, 75

2, 4, 6

60, 70, 80-

TO.

34, 36, 38

15, 30, 45











28, 30, 32, ____

ob) 21

9, 12, 15, ____



Fill in the circle next to the correct answer:

1.	25, 30, 35,	оа) 45 оь) 15 ос) 40	2.	60, 70, 80,	oa) 90 ob) 80 oc) 50
3.		a) 36	4.		oa) 18

	oc) 26		Oc) 6
5.	oa) 37	6.	oa) 76
34, 36, 38,	ob) 39	80, 85, 90,	ob) 95

ob) 34

34, 36, 38,	_ ob) 39 oc) 40	80, 85, 90,	ob) 95 oc) 100
7.	oa) 147	8.	a) 700

144, 145, 146,	ob) 149 oc) 150	722, 724, 726,	ob) 727 oc) 728
9	an) 725	10	ag) 562

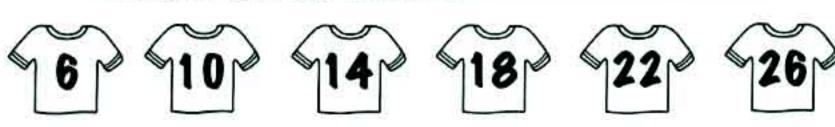
9.	a) 725	10.	a) 562
700, 710, 720,	оы 730	553, 556, 559,	ob) 560
	oc) 740		oc) 555



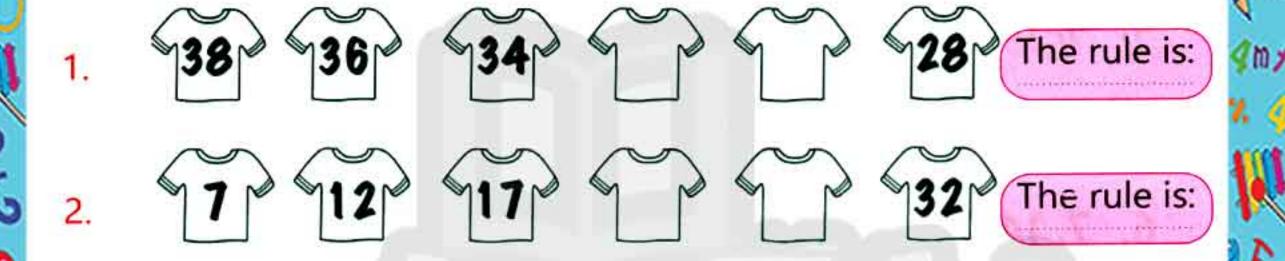


Complete the pattern on each row:

Can you find the pattern in the numbers below?



The pattern is counting by 4s!







After you have completed each number pattern, color the shirts. If the number on the shirt is even, color the shirt green. If the number on the shirt is odd, color the shirt blue.

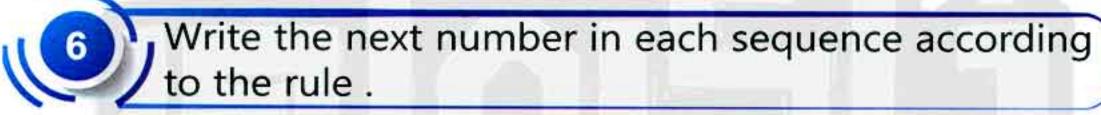
- 1. How many even-numbered shirts are there?
- 2. How many odd-numbered shirts are there?





Write the next number in the sequence. Then, write the rule beside each of the following.

- 1. 2, 4, 6, 8, 10, 12,
- 2. 3, 6, 9, 12, 15, 18,
- 3. 23, 20, 17, 14, 11, 8,
- 4. 4, 14, 24, 34, 44, 54,
- 5. 52, 44, 36, 28, 20, 12,
- 6. 7, 14, 21, 28, 35, 42,



- 1. Add 5 55, 60,
- 2. Subtract 11 88, 77,
- 3. Add 9 0



Write the next number in each sequence according to the rule.

- 1) 2, 6, 10, 14, 18, 22, 26 Rule:
- 2) 50, 45, 40, 35, 30, 25, 20, 15 Rule:





Make a number pattern for each of the rules:

- Start at 63 and subtract 4 each time.
- Start at 1 and add 7 each time.
- Start at 17 and add 8 each time.
- Start at 50 and subtract 5 each time.
- Start at 65 and subtract 6 each time.
- Start at 9 and add 6 each time.
- Start at 18 and add 3 each time.
- Start at 70 and subtract 4 each time.
- Start at 71 and subtract 2 each time.
- Start at 64 and subtract 8 each time.
- Start at 52 and subtract 1 each time.
- Start at 58 and subtract 5 each time.
- Start at 51 and subtract 1 each time.
- 14) Start at 56 and subtract 3 each time.
- Start at 68 and subtract 6 each time.





Find the number that will complete the pattern and write it:).

1) 44, 46, 48, ____

2) 125, 130, 135,

52 50 54 42

145 140 155 150

3) 763, 764, 765,



4) 7, 10, 13,

761 768 766 777

16 22 21 14

5) 70, 80, 90,



6) 832, 834, 836,

110 60 100 130 838 842 640 830

7) 55, 56, 57,

ړ9



8) 900, 910,920

58 59 60 54

940 930 960 980

9) 5, 10, 15,



11) 223, 226, 229,

35 20 30 45

228 220 230

11) 122, 124, 126,



13) 71, 72,73, ...

132 121 128 130

70





Deduce the rule in each pattern:

0,2,4,6,8

3, 13, 23, 33 2-

0,5,10,15,20 3-

321, 341, 361, 381 4-

68, 66, 64, 62, 60 5-

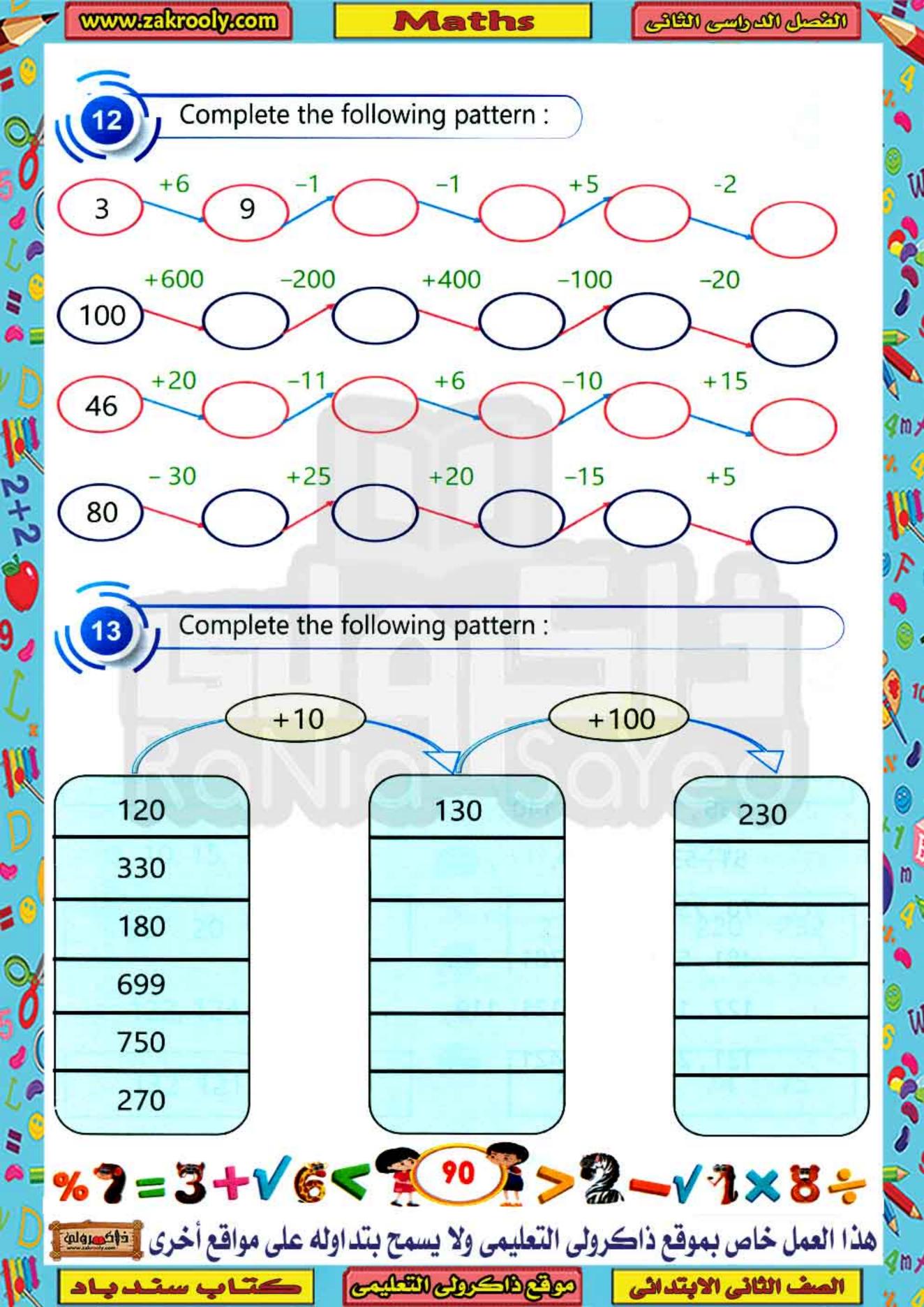
30,40,50,60,70 6-

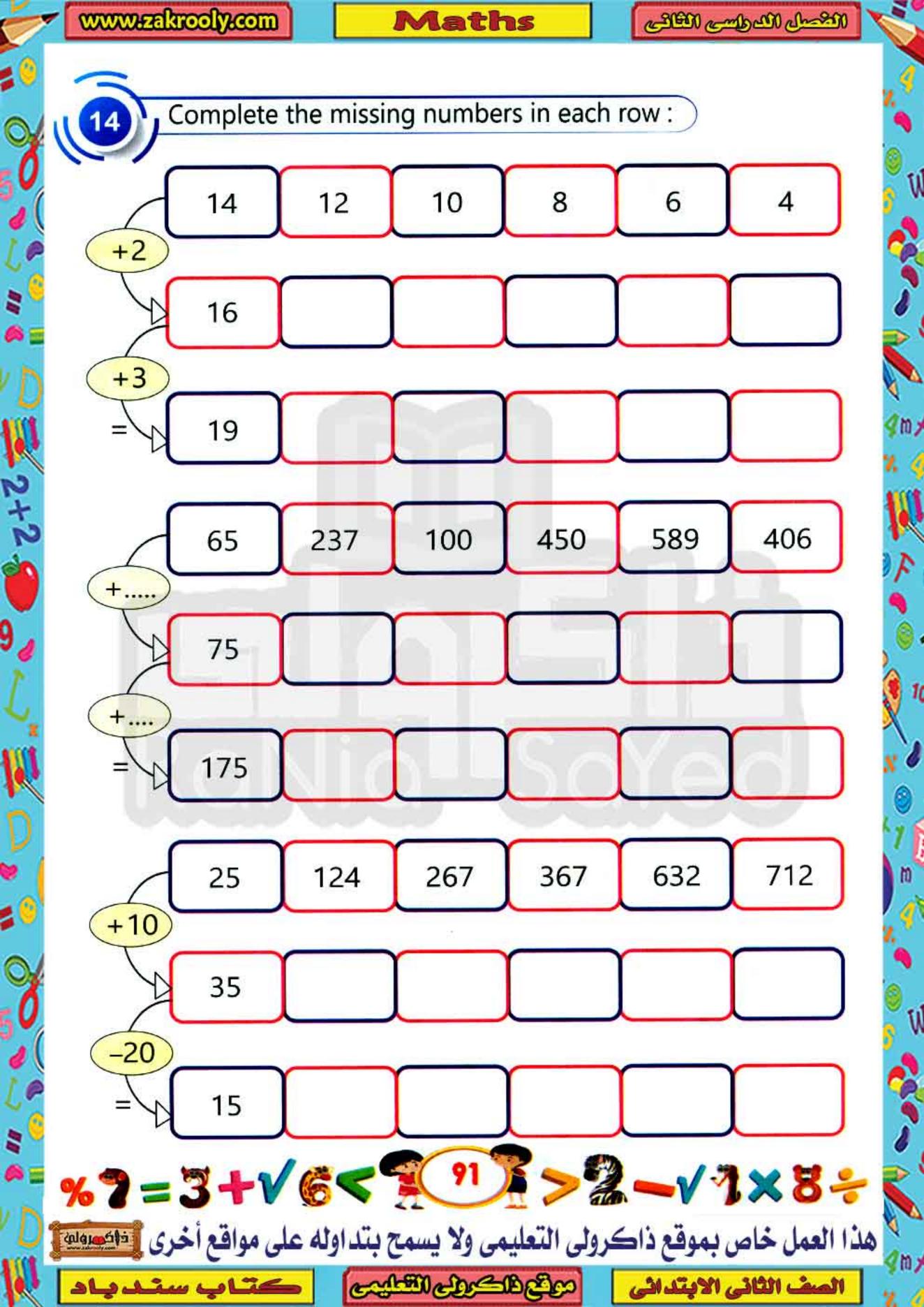
90,80,70,60,50 7-

Complete the following pattern:

- 8, 10, 12, 14,,
- 136, 134, 138, 140,,
- 51,53,55,57,...,
- 70,75,80,85,....,
- 481,581,681,781,....,
- 127, 125, 123, 121, 119,,
- 121, 221, 321, 421,,







123

143

Write the pattern rule in each of the following:

110 116 113

The rule is

210 215 220

The rule is

600 700 800

133

The rule is

The rule is

456 567 678

The rule is

41

The rule is

512 510 514

The rule is

680 580

The rule is

The rule is

%7=3+V6< 127>2-V1×8+



Arrays



To the parents

By the end of this lesson the student should be able to:

- Define array.
- Identify arrays and non-arrays.
- Create an array.
- Use repeated addition to find the total number of objects in arrays.
- Write addition equations to express the total number of objects in an array.
- Write addition equations to express the total number of objects in an array.
- Design an array using repeated addition.

Arrays

An arrangement of objects, pictures, or numbers in columns and rows is called an array.

Arrays are useful representations of multiplication concepts.

- Arrays consist of a repeating shape in a number of rows and columns.
- Arrays can be represented by rows or by columns.
- Arrays can be described in number of rows and columns.
 What is repeated Addition?
- Repeated addition is adding equal groups together. It is also known as multiplication.
- Notice that the rows in each array are equal.



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود

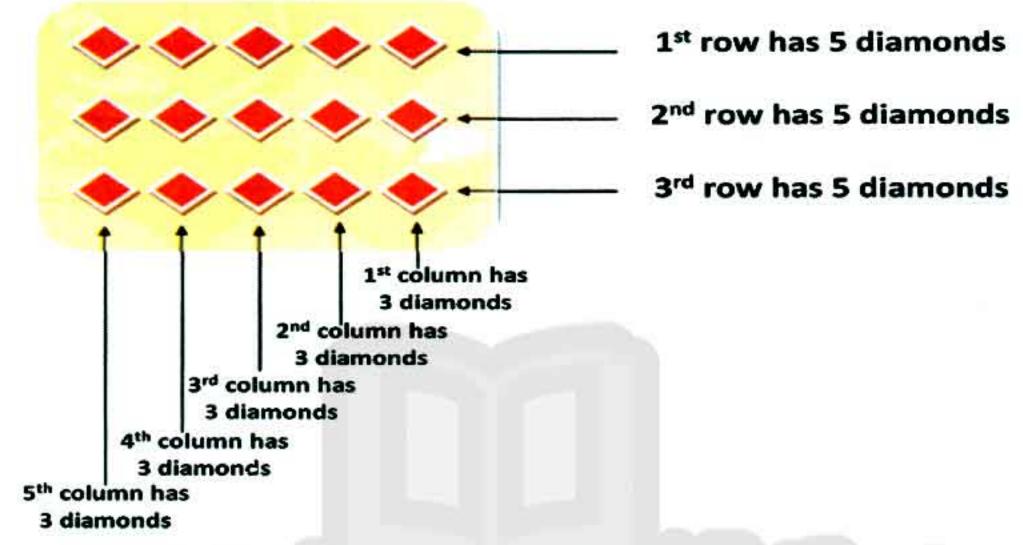




الصف الثاني الابتدائي

Example (1)

An Array consists of 3 rows and 5 columns.



- \bullet So it can be described by rows = 15 = 5 + 5 + 5
- \bullet Or it can be described by columns = 15 = 3 + 3 + 3 + 3 + 3 + 3
- Or it can be described as 3 by 5 array.

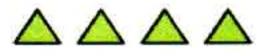
Example 2

This array has 4 rows and 3 columns. It can also be described as a 4 by 3 array.

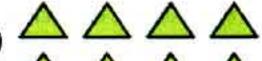
- It can be described by rows = 3 + 3 + 3 + 3 = 12
- It can be described by columns = 4 + 4 + 4 = 12
- It can be described as a 3 by 4 array.

Example (3)

This array has 5 rows and 4 columns. It is a 5 by 4 array.



• It can be described by rows = 4 + 4 + 4 + 4 + 4 = 20



It can be described by columns = 5 + 5 + 5 + 5 = 20



It can be described as a 4 by 5 array.





هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمسوس





الصف الثاني الابتدائي

Here are a few examples of repeated addition.

$$3 + 3 + 3 = 9$$



$$2 + 2 + 2 + 2 = 8$$

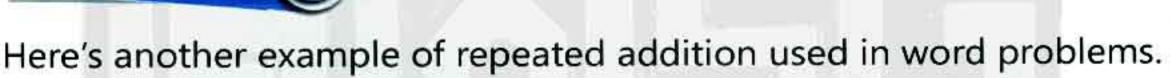


$$4 + 4 + 4 = 12$$



$$4 + 4 + 4 + 4 = 16$$

Example 4



There are 5 groups of chickens. Each group has 3 chickens. How many chickens are there in all?











There are 5 groups.

There are 3 chickens in each group.

Add to Pnd the total chickens.

$$3 + 3 + 3 + 3 + 3 = 15$$

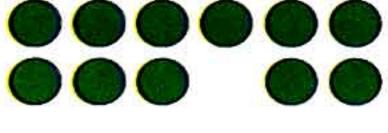


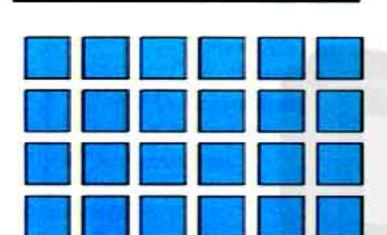


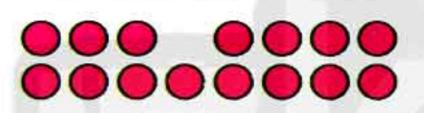
Exercise 33

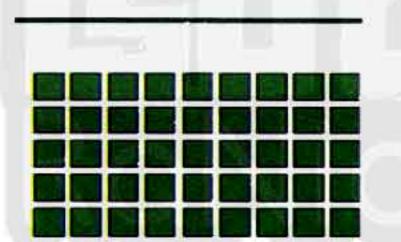
Decide which of the following is an array which is not an array:

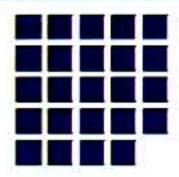


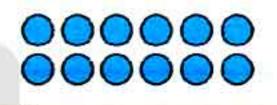


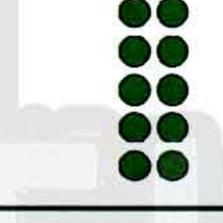


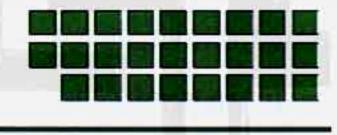








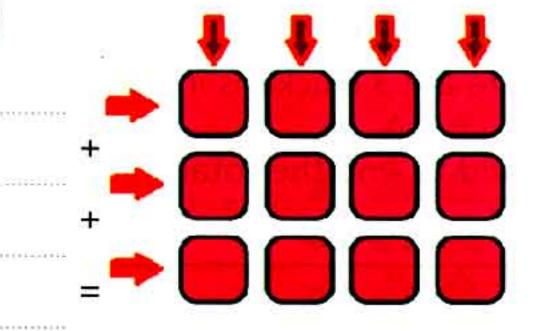






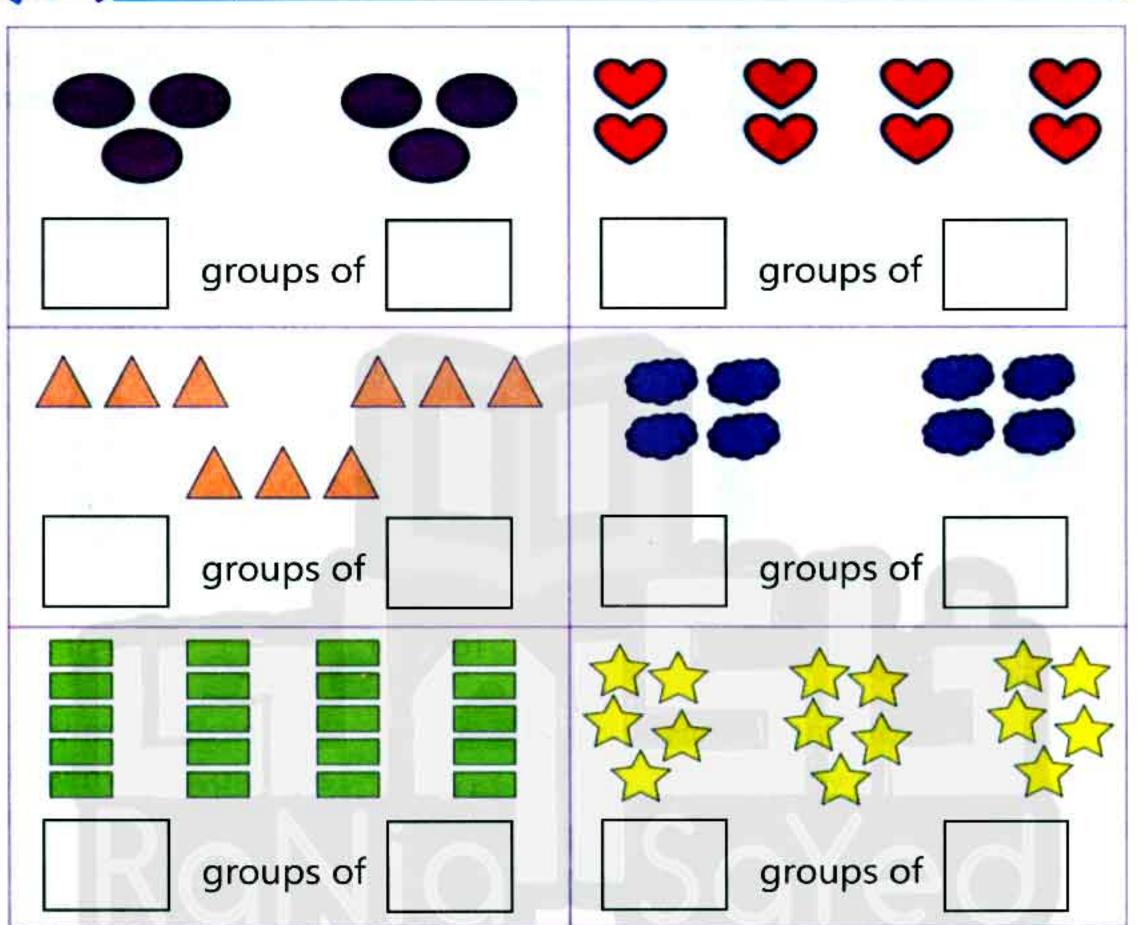


لا تنس الاشلراك في قنـوات ذاكـرولى على تطييق الثليجرام



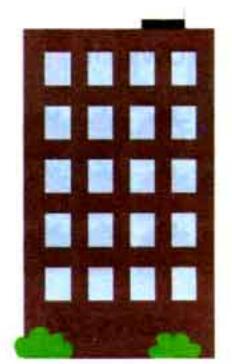


Count the shapes in each group to make an array:



Find the number of windows in the entire building

This is a by array



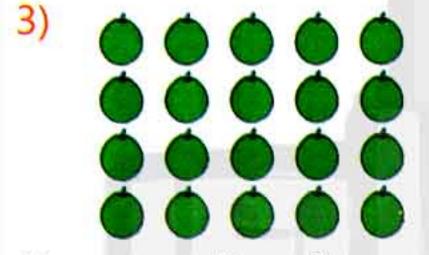




Answer the following to write an addition sentence as in the example:



How many Rows? 3 How many Columns? 3 Write the repeated addition sentence: 3 + 3 + 3



How many Rows? How many Columns? Write the repeated addition sentence:

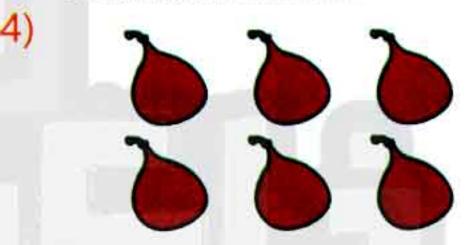


How many Rows? How many Columns? Write the repeated addition sentence:



How many Rows?

How many Columns? Write the repeated addition sentence:



How many Rows? How many Columns? Write the repeated addition sentence:

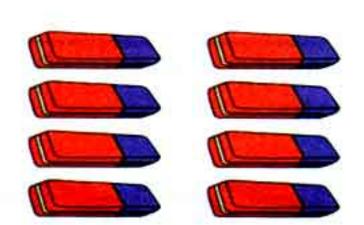


How many Rows? How many Columns? Write the repeated addition sentence:

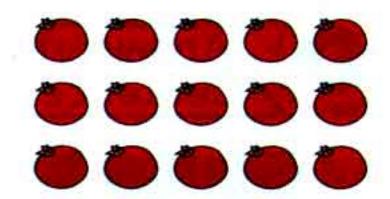




7)



8)



How many Rows?
How many Columns?
Write the repeated addition
sentence:

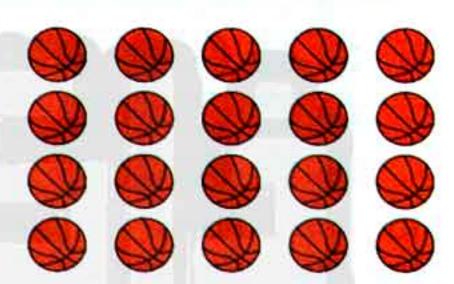
How many Rows?
How many Columns?
Write the repeated addition sentence:



Write the repeated addition sentence according to the rows one time and according to columns another time as in the example:

According to Rows?4+4
According to Columns?2+2+2+2

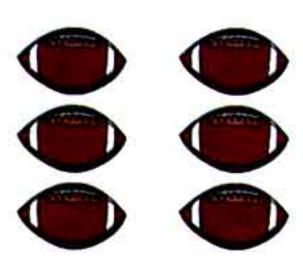
2)



According to Rows?

According to Columns?

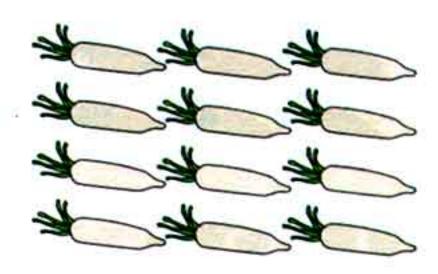
3)



According to Rows?

According to Columns?

4)



According to Rows?

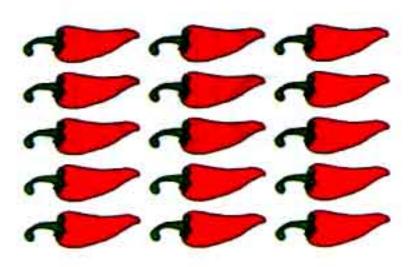
According to Columns?



5)



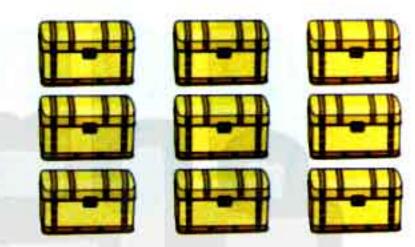
According to Rows? According to Columns? 6)



According to Rows? According to Columns?

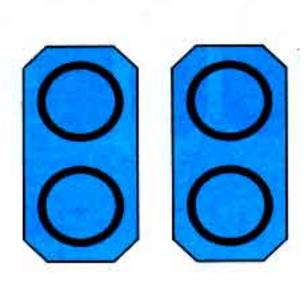


According to Rows? According to Columns? 8)

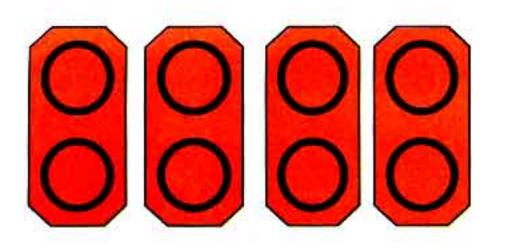


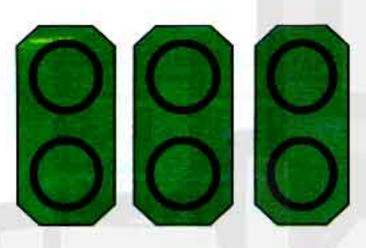
According to Rows? According to Columns?

Write the repeated addition sentence and then answer:









5.00000

%7=3+V6< 102 >2-V1X

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والعمول العمل العمل



Write the repeated addition sentence and then answer:

You can use repeated addition to find The total number of objects in equal groups. For example, look at this problem.

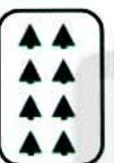


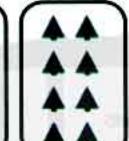




since there are 3 equal groups of 2. the repeated addition sentences is:

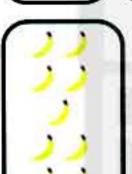
$$2+2+2=6$$

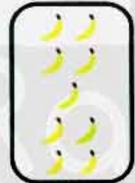


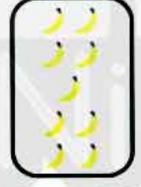


































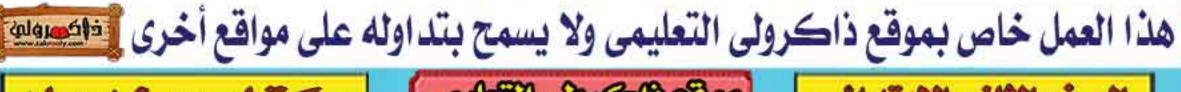
















المث الثاني الابتدائي صح المحال التعليم التعلي



Write the repeated addition sentence and answer:

1)







- a) Write the repeated addition sentence : 4 + 4
- b) This a 4 by 2 array

2)









- a) Write the repeated addition sentence:
- b) This a by array

3)







- a) Write the repeated addition sentence :
- b) This a

by

array

4)





- a) Write the repeated addition sentence :
- b) This a by array

5)







- a) Write the repeated addition sentence:
- b) This a by

array





Represent the repeated addition sentence by drawing and answer:

a) 2 groups of 3

$$3 + 3 =$$

b) 3 groups of 5

$$5 + 5 + 5 =$$

c) 1 groups of 4

d) 5 groups of 2

e) 4 groups of 5

f) 3 groups of 2

$$2 + 2 + 2 =$$

Represent the repeated addition sentence and answer:













groups of

groups of



أأيضًا على صفحتنا على الفيسيوك

www.facebook.com/ZakrolySite

%9=3+V6< 105

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلقة المعلق



13

Represent the repeated addition sentence and answer:

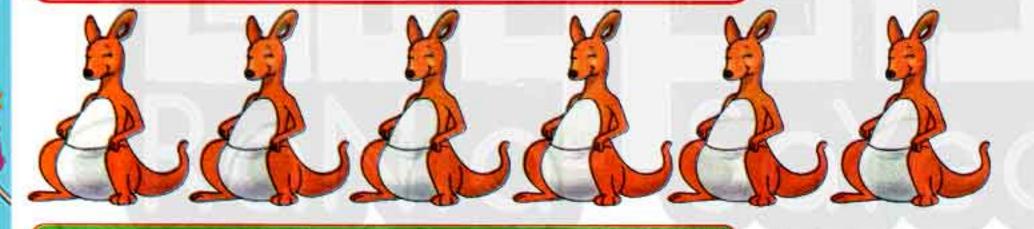
How many legs do all ladybirds have?



How many legs do all the tables have?



How many legs do all kangaroos have?



How many legs do all horses have?

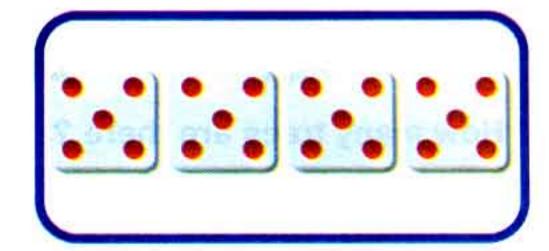


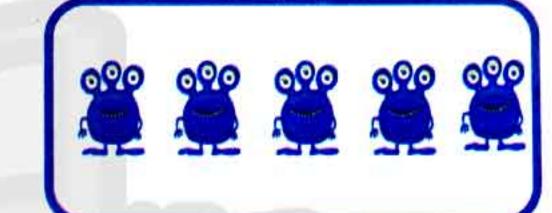




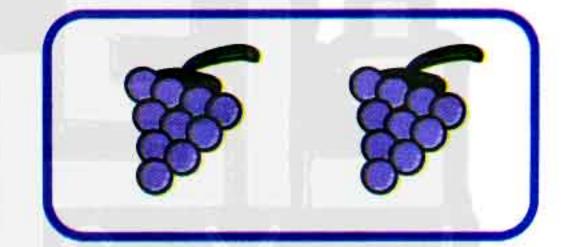


Represent the repeated addition sentence by drawing and answer:

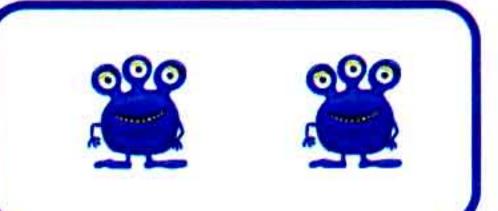




$$10 + 10 =$$











Answer the question to describe the model:









1) How many trees are there? trees .

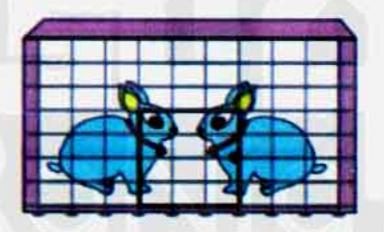
2) How many fruits are there in each tree ? fruits.

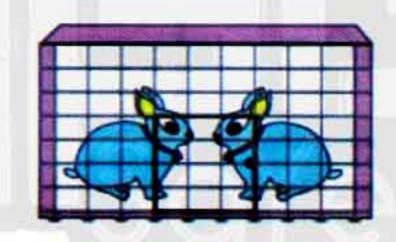
3) Write a repeated addition sentence to describe the model.

4) How many fruits are there altogether? fruits .

5) This a by array.

B)





1) How many cages are there?

2) How many rabbits are there in each cage ? rabbits

3) Write a repeated addition sentence to describe the model.

4) How many rabbits are there in all? rabbits.



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى المعلقة المعلقة





ړ9

Draw an array to represent the repeated addition sentence in each of the following:

$$3 + 3 + 3$$
 (Stars)

$$2 + 2 + 2 + 2 + 2$$
 (Flowers)

$$5 + 5 + 5 + 5$$
 (Sun)





Lessons from 81 till 90



We will combine the explanation of some lessons in order to make it easier for the parent to explain them to the child and for the child to understand them better.

By the end of this chapter the student will be able to:

- Apply strategies to estimate quantities.
- Apply strategies to estimate sums and differences.
- Round 2-digit numbers to the nearest ten.
- Round two 2-digit numbers to estimate their sum.
- Apply estimation strategies in problem-solving situations.
- Estimate sums and differences.
- Round 3-digit numbers to the nearest Hundred.
- Add 2-digit numbers with regrouping.
- Explain why it is sometimes necessary to regroup to solve problems.
- Use place value models to regroup and add.
- Add two 2-digit numbers with regrouping.
- Use place value models to regroup and add.
- Add two 3-digit numbers with regrouping.
- Add two 2-digit numbers with regrouping.
- Apply mental math strategies to solve an addition problem involving regrouping.
- Add 1-, 2-, and 3-digit numbers with and without regrouping.
- Use place value models to regroup and add.
- Check answers to identify errors and misconceptions.
- Add 2- and 3-digit numbers with regrouping.
- Make connections between concrete and abstract models of regrouping.
- Identify and correct errors in estimation and regrouping problems.
- Add 1-, 2-, and 3-digit numbers with and without regrouping.



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والتعليمي



المن الثاني الابتدائي صح الكواكوال التعليج



Estimating Numbers





By the end of this lesson the student should be able to:

- Apply strategies to estimate quantities.
- Apply strategies to estimate sums and differences.

ESTIMATION

Is a mental math strategy that we can use to help us find the value that is close enough to the actual value using careful thinking or quick calculations. It is not a random guess.

- When we estimate, we do not expect to come up with an exact answer. We just want to get as close as possible.
- Front-end estimation is introduced as a mental math strategy.
- Use mental arithmetic strategy to add or subtract faster.
- Estimate each number to its highest possible value.

Front-end estimation

It means we just look at the front of the number, or the highest place value. We do not look at the other places.







Estimate number 32 ?!!

Answer

Point to the 3 in 32.

Explanation

The number 32 has two places, a tens place and a units place. There is a 3 in the tens place, so we are going to estimate 32 to its highest place value as 30.

Example 2

What is the highest place value in each number?

<u>45</u> — 40

70

And now add the following by applying front-end estimation.

Example (3

Add by Estimating the numbers .

54 + 22

Answer

5 4 highest place value is 5 0

- 22 highest place value is + 20

7 6 Estimated answer



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود

كتاب سندباد

موقع والكري التعليمي

الصف الثاني الابتدائي



Subtract by Estimating the numbers.

76 - 32

Answer

7 6 highest place value is 7 0

3 2 highest place value is
3 0

4 4 Estimated answer 4 0

Exercise 1

Use the Front – End Strategy to estimate the following numbers as in the example :

59 50

35

21

12

45

89

92

64

%7=3+V6< 113 >2-V1×8+



Use the Front – End Strategy to find the answer as in the example:

Examples:

$$\begin{array}{c}
64 \\
+22 \\
\hline
+20 \\
80
\end{array}$$

%7=3+V6< 114 >2-V1×8+



Estimate the sum or difference using front-end estimation method.





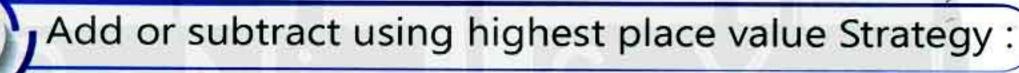
Estimate the sum or difference using front-end estimation method.

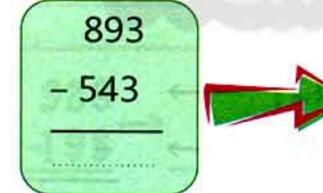
$$a - 56 + 35 =$$

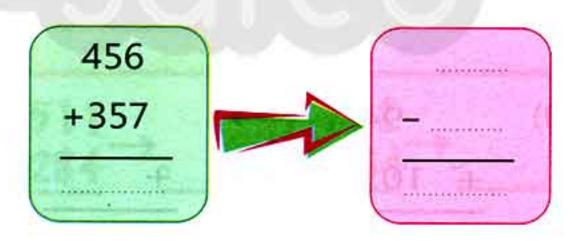
$$(50 - 80 - 20)$$

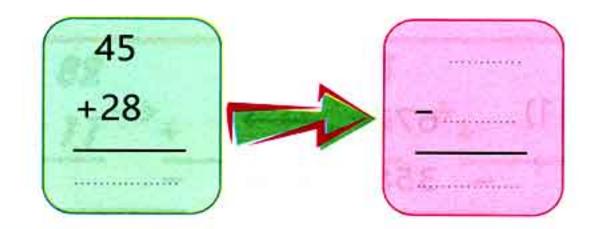
$$g$$
- 74 - 52 = h- 51 + 35 =

$$(80 - 90 - 21)$$













Rounding Numbers





By the end of this lesson the student should be able to:

- Round 2-digit numbers to the nearest ten.
- Round two 2-digit numbers to estimate their sum.
- Apply estimation strategies in problemsolving situations.
- Estimate sums and differences.
- Round 3-digit numbers to the nearest hundred.

Rounding

Rounding means making a number simpler but keeping its value close to what it was. The result is less accurate, but easier to use. It can be also explained as adjusting the digits (up or down) to make rough calculations easier. The result will be an estimated answer rather than a precise one.

General rule for rounding

Numbers can be divided

Weak numbers

Strong numbers

%7=3+V6< 117

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

الصف الثاني الابتدائي (مركم الكاليي) كتاب سند باد

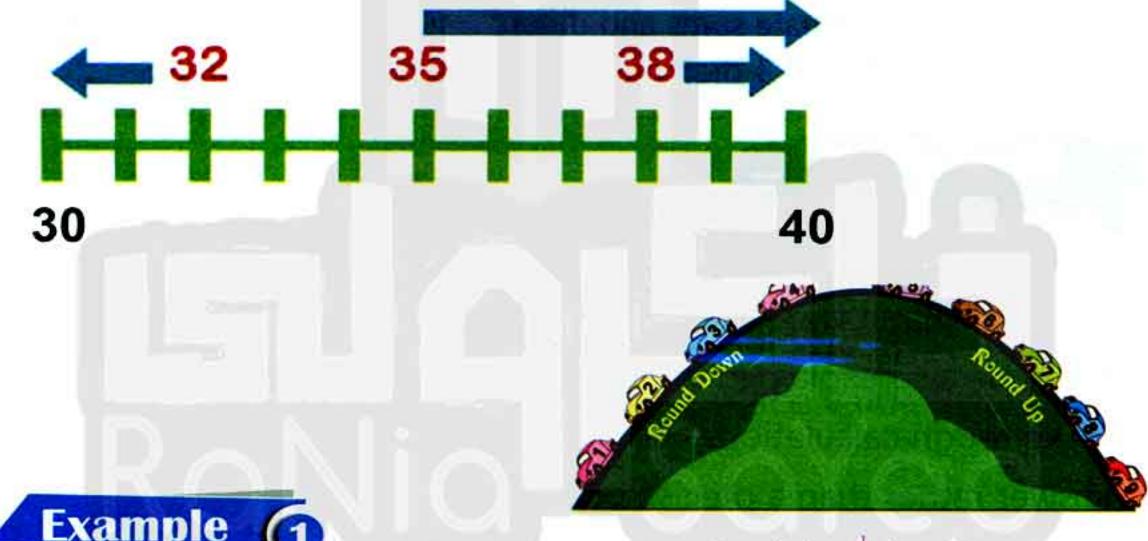
Rounding numbers to the nearest 10:

A good way of explaining this is to use a number line.

If the units of the number is less than five (0, 1, 2, 3, 4), the number needs to be rounded down (Weak numbers).

If the units of the number is 5 or above (5, 6, 7, 8, 9), the number needs to be rounded up (Strong numbers).

So 32 would be rounded down to 30, 35 would be rounded up to 40 and 38 would also be rounded up to 40:



4 or less

Round down

5 or more

Round up

Example

Round number 28 to the nearest ten?

Ask yourself 28 is closer to 20 or 30?

Now look carefully at the number line and then answer.



Can you tell if the number 28 is closer to 20 or closer to 30?

Answer: closer to 30



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

کتاب سندیاد

موقع والكرواني التعليمي



Round 71 to the nearest ten?

Ask yourself 71 is closer to 70 or 80?

Now look carefully at the number line and then answer.

70

80

Can you tell if the number 71 is closer to 70 or closer to 80?

Answer: closer to 70



When rounding, you first want to determine the place value that you are rounding to. Once this value is determined,

Look at the number immediately to the right.

If the number to the right is 5 or more (strong number), you add 1to the rounded number and make any remaining numbers to the right zeros.

Example (1

Round 17 to the nearest 10

Underline the number in the tens place. 17

Then circle the number to the right next to the tens place.







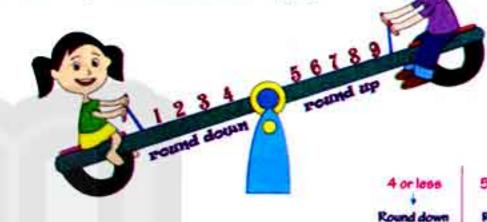
And now determine whether the number to the right is from weak numbers or from strong numbers?

7 is from the Strong numbers, so we will add 1 to the rounded number and put a zero in the place of the units.

Answer: 20

17 becomes 20. (Rounded up)

Example



Round 75 to the nearest 10

Underline the number in the tens place.

Then circle the number to the right next to the tens place.



And now determine whether the number to the right is from weak numbers or from strong numbers?

5 is from the Strong numbers, so we will add 1 to the rounded number and put a zero in the place of the units.

Answer: 80

75 becomes 80. (Rounded up)

If the number to the right is 4 or less (Weak number), you keep the rounded number as it is and put in the units place zero.

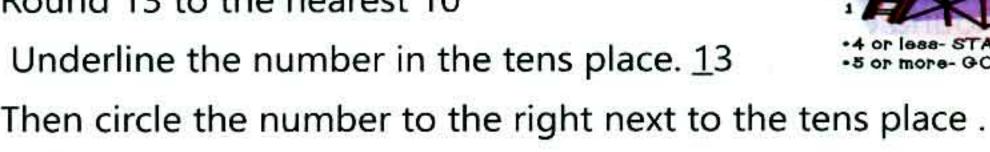


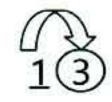
Rounding Rollercoaster

Example (1

Round 13 to the nearest 10

or more- GO HIGHER





And now determine whether the number to the right is from the weak numbers or from the strong numbers?

3 is from the Weak numbers, so we will keep the rounded number as it is and put a zero in the place of the units.

Answer: 10

13 becomes 10. (Rounded down)

Example

Round 21 to the nearest 10

Underline the number in the tens place.

Then circle the number to the right next to the tens place.



And now determine whether the number to the right is from the

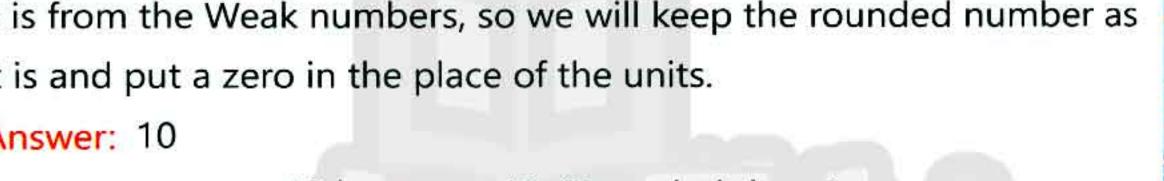
weak numbers or from the strong numbers?

%7=3+V6< 121

1 is from the Weak numbers, so we will keep the rounded number as it is and put a zero in the place of the units.

Answer: 20

21 becomes 20. (Rounded down)

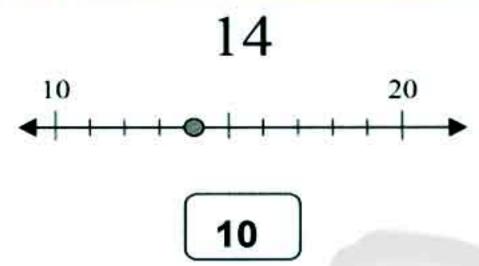


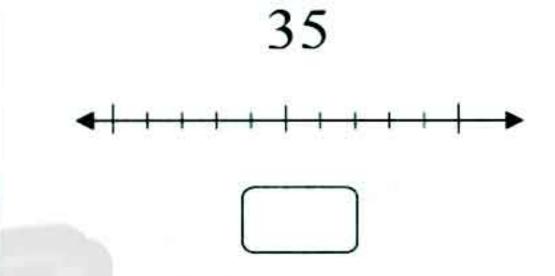


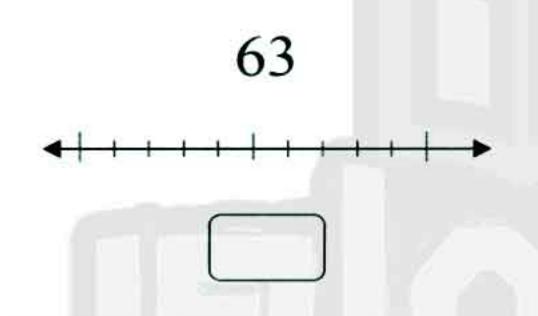
Exercise 2

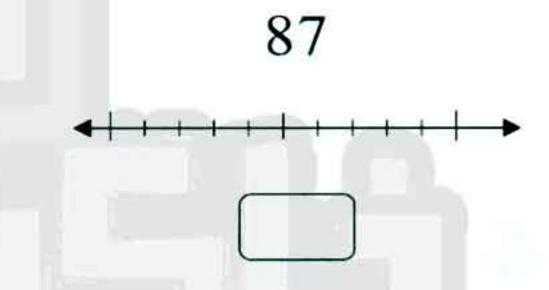


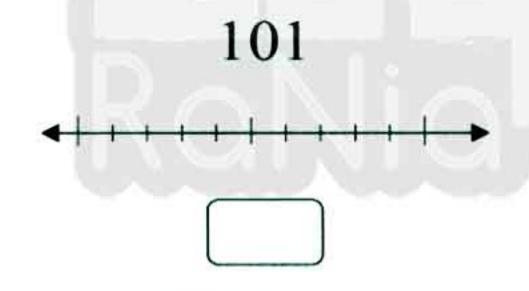
Round each number to the nearest ten using the number line as in the example:

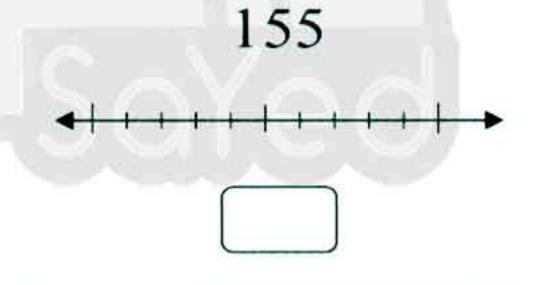


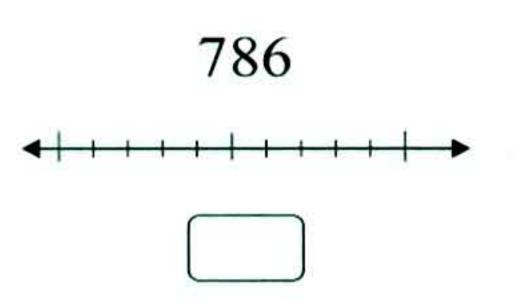


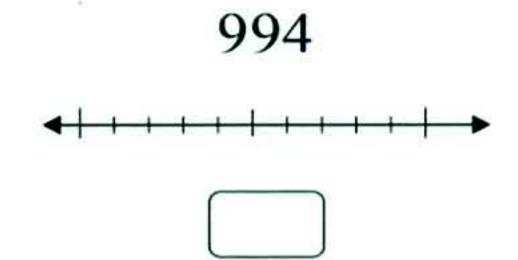
















Round each number to the nearest ten:

48 87

32 69 36

57 12

92

18 54



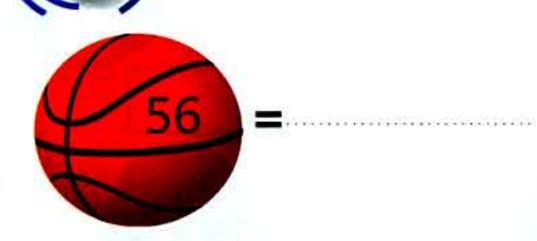
Complete the following table :

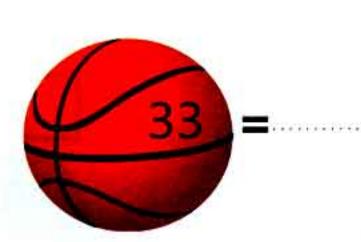
Q.No	Number	Round to the nearest ten	Rounded up / Rounded down
1)	31		
2)	68		
3)	92		
4)	73		
5)	15		

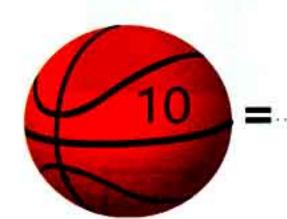


الصف الثاني الابتدائي مركع الكريل التكريج التكريج

Help Sam to round up or down to the nearest ten:









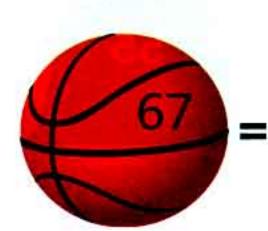














هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلقة المعلق



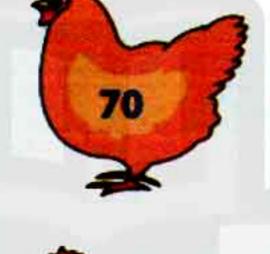
Round the numbers on the chicks to the nearest ten and help them find their mom:











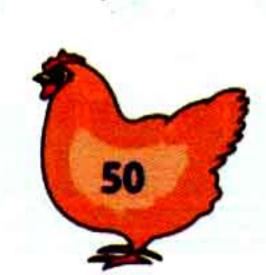
















هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة العمل خاص بموقع أخرى والمعلقة العمل المعانى الابتدائي العملة الع





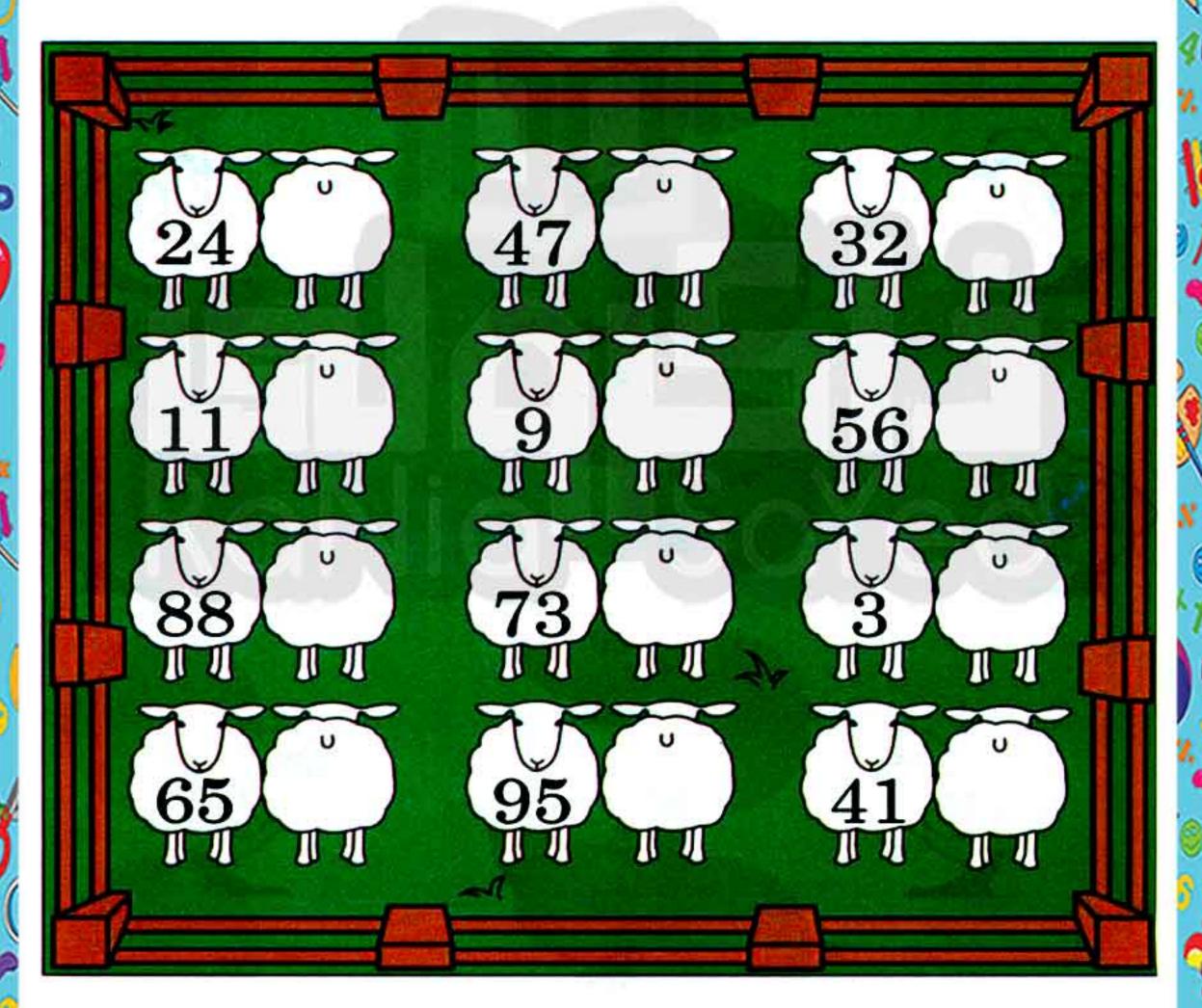


Round each number to the nearest 10:

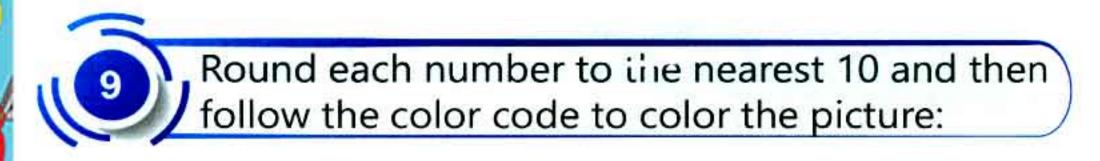
Wild Round Up

Round the numbers to the nearest 10!

If the units number is 5 or greater, round up to the nearest 10. If the units number is 4 or less, round down to the nearest 10.

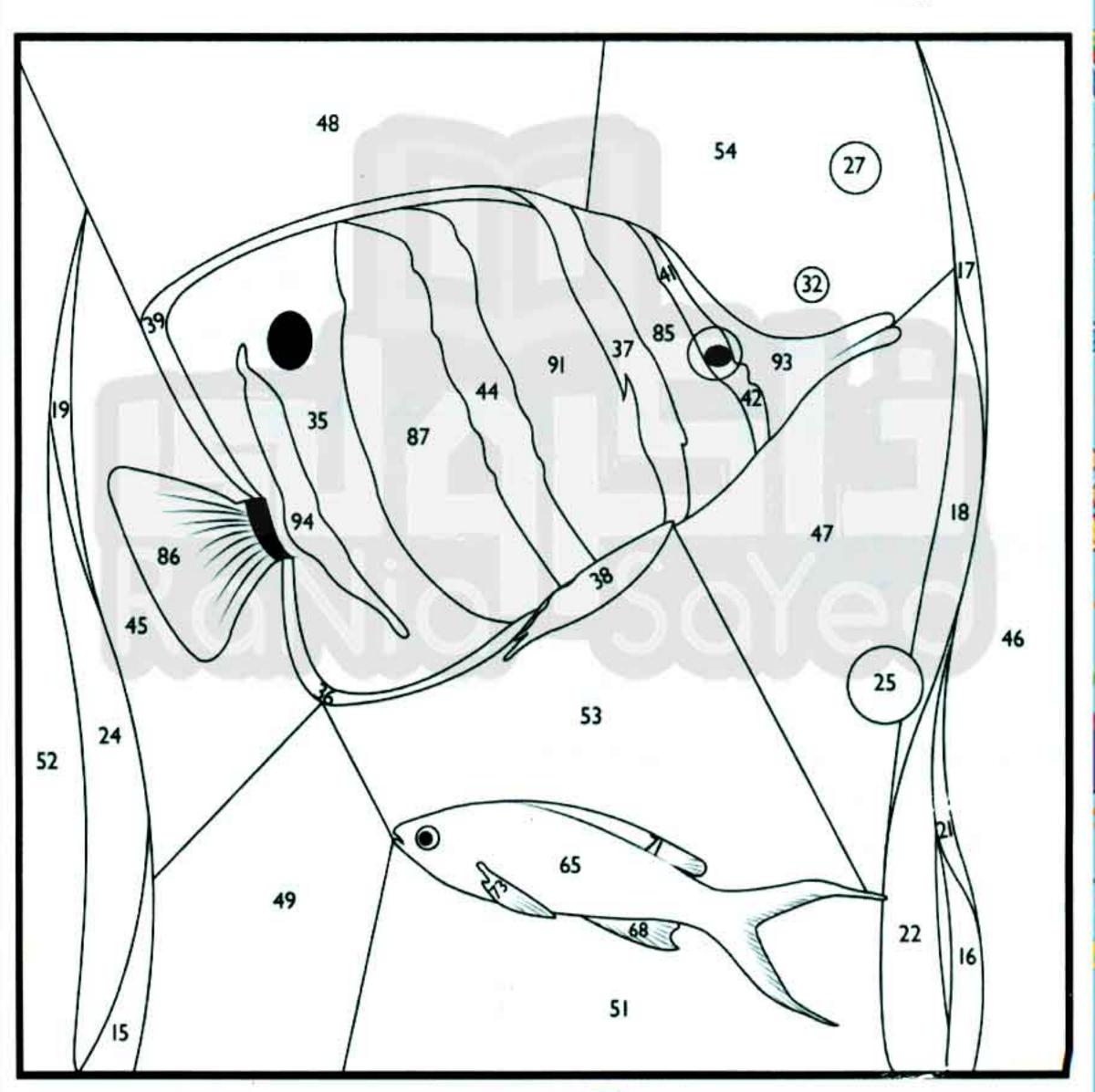






70 : Pink 40 :Yellow 50 : Blue

90 : Silver 30 : Light Blue 20: Green





Rounding numbers to the nearest 100:

A good way of explaining this is to use a number line.

If the tens digit is less than 50 (0, 10, 20, 30, 40) the number is rounded down (Weak numbers).

so ,90) the number is, 70, 60, 60, or more (50, 60, 70) the number is rounded up (Strong numbers). (The units digit can be ignored when rounding a three-digit number to the nearest 100.)

So 834 would be rounded down to 800, 851 would be rounded up to 900 and 876 would be rounded up to 900:



Round number 372 to the nearest Hundred?

Ask yourself 372 is closer to 300 or 400?

Now look carefully at the number line and then answer.



Can you tell if the number 372 is closer to 300 or closer to 400?

Answer: closer to 400





Round 721 to the nearest Hundred?

Ask yourself 721 is closer to 700 or 800?

4 or less 5 or more
Round down Round up

Now look carefully at the number line and then answer.



Can you tell if the number 721 is closer to 700 or closer to 800?

Answer: closer to 700



When rounding, you first want to determine the place value that you are rounding to. Once this value is determined,

Look at the number immediately to the right.

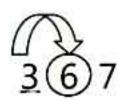
If the number to the right is 5 or more (strong number), you add 1to the rounded number and put in the tens and units place zeros.

Example (1)

Round 367 to the nearest 100

Underline the number in the Hundreds place. 367

Then circle the number to the right next to the Hundreds place. (tens place).







And now determine whether the number to the right is from the weak numbers or from the strong numbers?

6 is from the Strong numbers, so we will add 1 to the rounded number and put a zero in the place of the tens and units.

Answer: 400

367 becomes 400. (Rounded up)



If the number to the right is 4 or less (Weak number), you keep the rounded number as it is and put in the tens and units place zeros.

Example 1

Round 143 to the nearest 100



Underline the number in the hundreds place. 143

Then circle the number to the right next to the hundreds place.



And now determine whether the number to the right is from the weak numbers or from the strong numbers?

4 is from the Weak numbers, so we will keep the rounded number as it is and put a zero in the place of the tens and units.

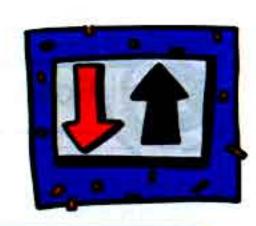
Answer: 100

143 becomes 100. (Rounded down)









Round each number to the nearest hundred using the number line as in the example :

Number	N	lumber Line		Rounded to Nearest 100
621	600	650	700	600
389	4		-	
744	4		+	
510	4			
891	4		+	
659	4		+	
137	4			



2

Round each number to the nearest hundred:

127 498 245

278 489 217

336 146

102 378



Round each number to the nearest hundred:

1. 584 2. 563

3. 537 **4.** 569

<u>5</u>. 505 <u>6</u>. 576

7. 549 **8.** 572

9. 544 10. 502



Choose the correct answer to answer the following:

486 rounded to the nearest hundred is...

A. 490 B. 400 C. 500

37 rounded to the nearest hundred is...

A. 0 B. 100 C. 50

211 rounded to the nearest hundred is...

A. 200 B. 300 C. 210

571 rounded to the nearest hundred is...

A. 580 B. 600 C. 500

960 rounded to the nearest hundred is...

A. 900 B. 950 C. 1000

850 rounded to the nearest hundred is...

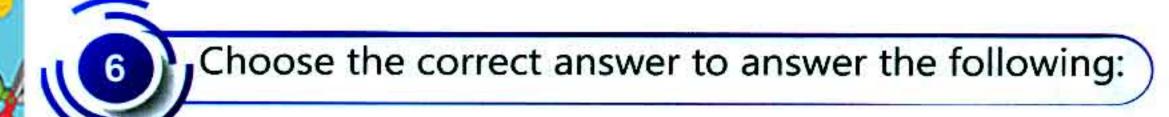
A. 900 B. 800 C. 850

Round each number to the nearest ten:









476 rounded to the nearest hundred is...

A. 400 B. 480 C. 500

814 rounded to the nearest hundred is...

A. 800 B. 820 C. 900

35 rounded to the nearest hundred is...

A. 0 B. 100 C. 50

668 rounded to the nearest hundred is...

A. 600 B. 650 C. 700

5 247 rounded to the nearest hundred is...

A. 250 B. 200 C. 300

192 rounded to the nearest 6 hundred is...

A. 200 B. 100 C. 190

555 rounded to the nearest hundred is...

A. 550 B. 500 C. 600

323 rounded to the nearest hundred is...

A. 400 B. 300 C. 350

984 rounded to the nearest hundred is...

A. 1000 B. 900 C. 980

750 rounded to the nearest 10 hundred is...

> A. 700 B. 750 C. 800

Round each number to the nearest hundred:

584

2. 663

305

%7=3+V6< (136) >2

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

المن الثاني الابتدائي (مركم الكري الكليمي) كتاب سندياد

Round the number on the kittens to the nearest hundred and help them to find their mum:





























Round the following numbers:

Rounding Rules:

If the number you are rounding is followed by: 0, 1, 2, 3, or 4 -- round the number down.

[Example: 233 rounded to the nearest 10 = 230] [Example: 233 rounded to the nearest 100=200]

If the number you are rounding is followed by: 5, 6, 7, 8, 9 -- round the number up.

[Example: 277 rounded to the nearest 10 = 280] [Example: 277 rounded to the nearest 100=300]

> Remember these rules with this fun saying: "4 or less, let it rest. 5 or more, raise the score."

Directions: Round to the nearest ten.

2-	566	
	2-	2- 566

Directions: Round to the nearest hundred.

9-	755	10 - 554
_		10 33 1

%7=3+V6< 138 >2-V1×8+



Round the following numbers:

Let's Go Rounding!

when rounding a number to a place volue, view the digit to the right of the given place.

			-	1					
0	2	3	4	5	6	7	8	9	10

When the digit to the right is 4 or When the digit to the right is 5 or less, round down in the given place. more, round up in the given place. 81 rounds to 80, 85 rounds to 90.

Round each number below to the tens place.

26	11	84	54
75	59	44	91
31	71	62	23

Round each number below to the hundreds place.

115	131	451	134
512	847	324	754
310	654	487	311

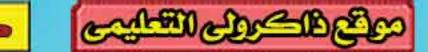
Round each number below to the underlined place.

4 <u>5</u> 7	3 <u>2</u> 4	5 <u>1</u> 2	2 <u>8</u> 7
<u>8</u> 64	<u>5</u> 74	1 <u>0</u> 3	<u>6</u> 01
1 <u>2</u> 6	<u>8</u> 97	<u>5</u> 54	7 <u>6</u> 1

%7=3+V6< \$ 139 }>2-V1×8+

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة





الصف الثاني الابتدائي



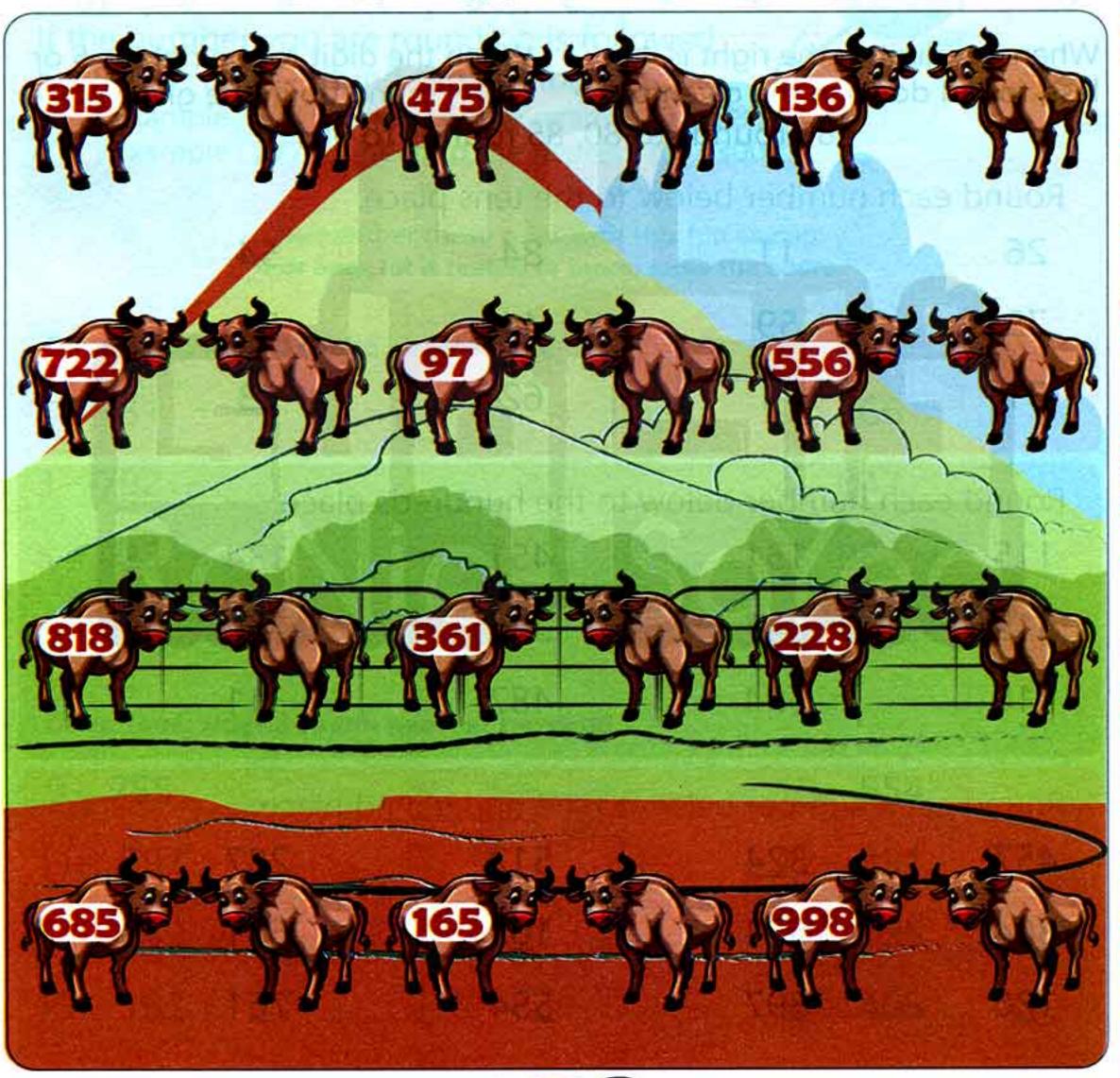
Round each number to the nearest 100:

Wild Round Up

Round the numbers to the nearest 100.

If the tens number is 5 or greater, round up to the nearest 100. If the tens unmber is 4 or less, round down to the nearest 100.

185 ⇒ 200 136 ⇒ 100





هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم

كتاب سندباد

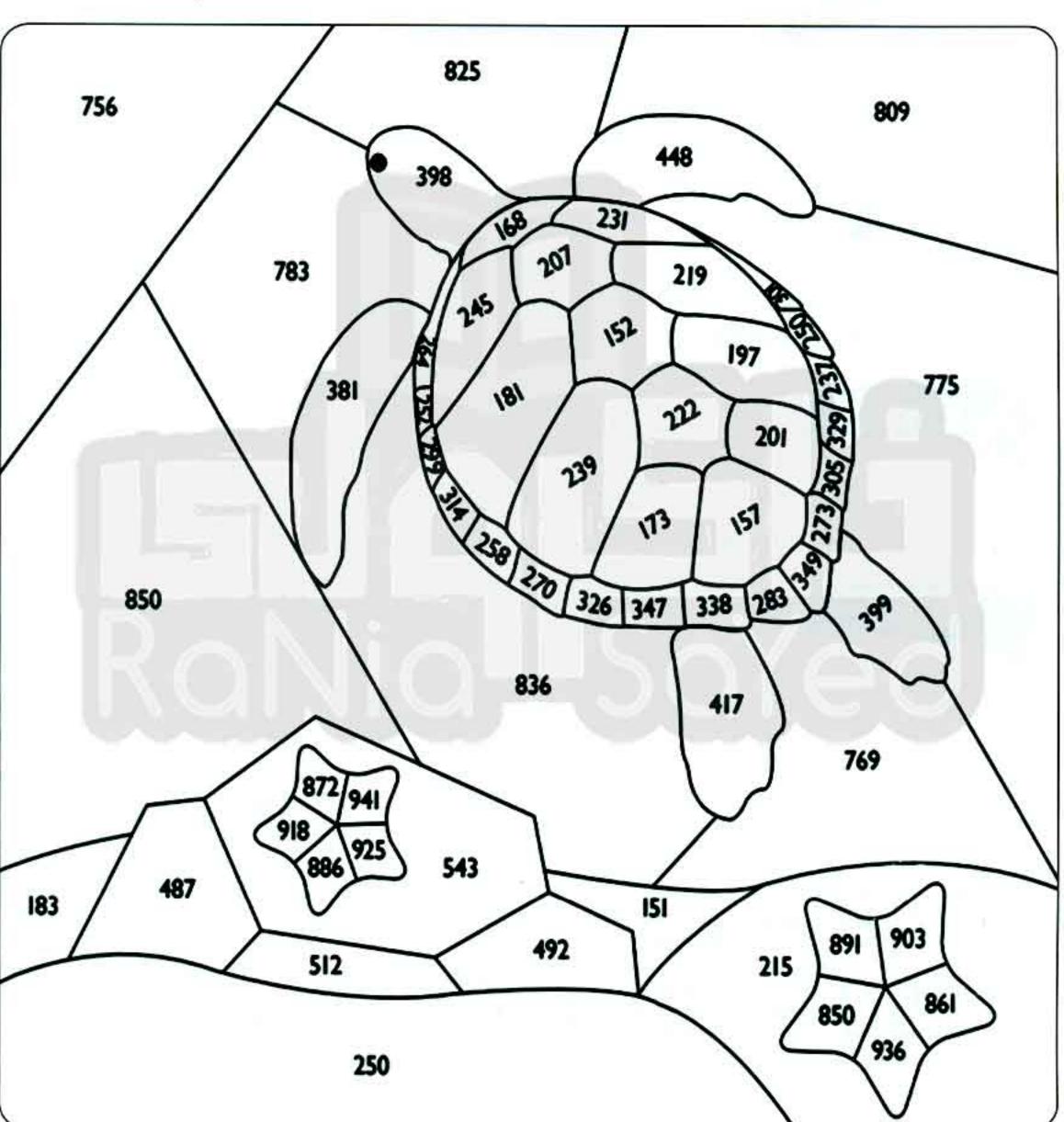
موقع والكروني التعليب

الصف الثاني الابتدائي



Round each number to the nearest 100 and then follow the color code to color the picture :

800 : Blue 400 : Green 500 : Grey 900: Purple 200 : Black 300 : Brown





المث الثاني الابتدائي مركع الكريل التعليم كتاب سندياد

Estimate Addition and Subtraction:

First: It is possible to add or subtract using the approximation with tens:

Example

Add the following by Rounding. 23 + 48 = ??

First:

Round the number 23 to the nearest ten, and thus 23 to the nearest ten = 20

Second:

Round the number 48 to the nearest ten, and then 48 to the nearest ten = 50

Third:

Add the two numbers after rouding 20 + 50 = 70 approximately.

$$48 + 23$$

 $50 + 20 = 70$ approximately



Add the following by Rounding .69 - 13 = ??

First:

Round the number 69 to the nearest ten, and thus 69 to the nearest ten = 70

Second:

Round the number 13 to the nearest ten, and then 13 to the nearest ten = 10

Third:

Subtract the two numbers after rounding 70 - 10 = 60approximately.

$$69 - 13$$

 $70 - 10 = 60$ approximately

Second: It is also possible to add or subtract using the approximation with hundreds:

Example

Add the following by Rounding. 413 + 368 = ??

First:

Round the number 413 to the nearest hundreds, and thus 413 to the nearest hundreds = 400





Second:

Round the number 368 to the nearest hundreds, and then 368 to the nearest hundreds = 400

Third:

Add the two numbers after rounding 400 + 400 = 800approximately

> 413 - 368 400 - 400 = 800approximately

Example (4)

Subtract the following by Rounding. 845 - 189 = ??

irst:

Round the number 845 to the nearest hundreds, and thus 845 to the nearest hundreds = 800

Second:

Round the number 189 to the nearest hundreds, and then 189 to the nearest hundreds = 200



Third:

Add the two numbers after rounding 800 - 200 = 600approximately.

$$845 - 189$$

 $800 - 200 = 600$

approximately

Exercise 4

Estimate the sum by rounding each number to the nearest tens:





Estimate the difference by rounding each number to the nearest tens:

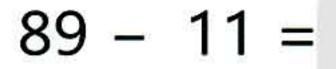


Rounding and Subtracting
Estimating numbers makes you speedy! Round the numbers

before subtracting. Remember, when rounding to the nearest ten:

if the number in the units place is 5 or greater, round up to the nearest ten. if the number in the units place is 4 or less, round down to the nearest ten.

Example: 18 ⇒ 20 14 ⇒ 10



$$(90 - 10)$$

$$54 - 20 =$$

$$19 - 12 =$$



$$96 - 65 =$$

$$52 - 27 =$$









Estimate the sum by rounding each number to the nearest hundred:

$189 \longrightarrow 200$ $+334 \longrightarrow +300$ 500	441 → + 323 → +	252 → + 368 → +
363 →	598→	625 →
+ 429	+ 176 → +	+ 238 -+

324 →	716 →	137 →
+150 →+	+ 202	+ 381 →+

$$463 \rightarrow \qquad 701 \rightarrow \qquad 648 \rightarrow \\ +276 \rightarrow + \qquad +163 \rightarrow + \qquad +220 \rightarrow +$$



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم المن الثاني الابتدائي هي الشيايي كتاب سند باد



Estimate the sum by rounding each number to the nearest hundred :

Estimate	the sum
210 -> +378 -> +	128 -> +
684 -> +245 -> +	321 +518 +
467 -> +376 -> +	850 +105 +
941 → +223 → +	754 +285 → +

%7=3+V6< 148 >2-V1×8+





Adding 2-digit number with regrouping





By the end of this lesson the student should be able to:

- Add 2-digit numbers with regrouping.
- Use place value models to regroup and add.

Steps for 2- digit addition with renaming:

First

First, add all of the Units

Tens	Units	Tens Units
3	8	
2	4	
1	12	

Second

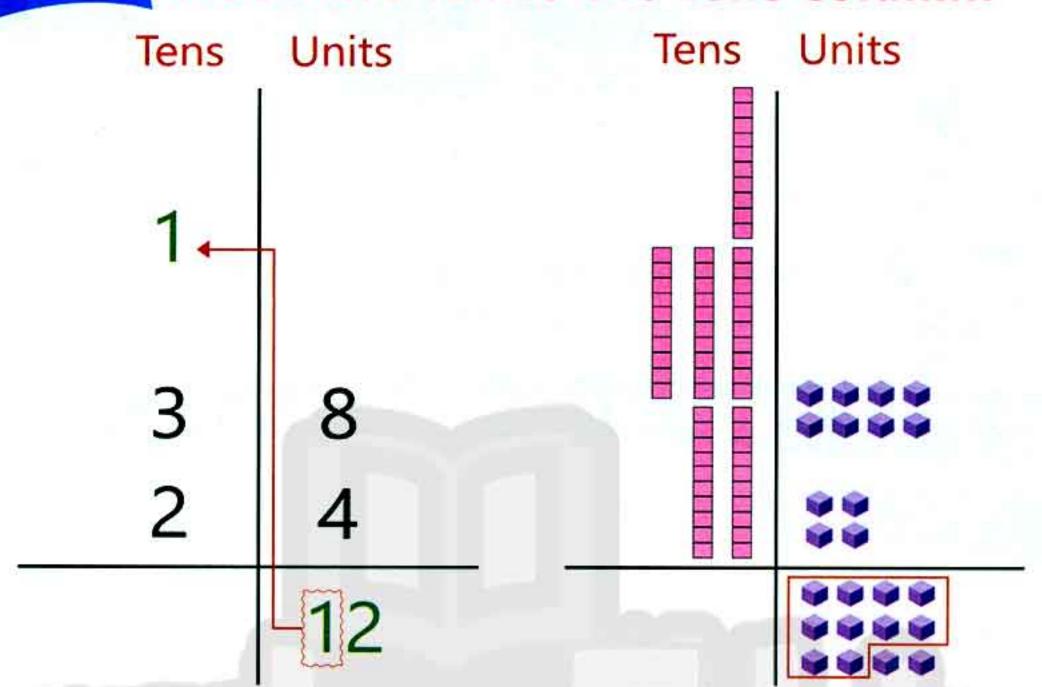
Look for a group of ten

Tens	Units	Tens	Units
3	8		****
2	4		• •
	12		0000



Third

Move the ten to the tens column.



Finally, add all of the tens.

Tens	Units	Tens	Units
RAN	lial		100
3	8		9999
2	4		
6	2		

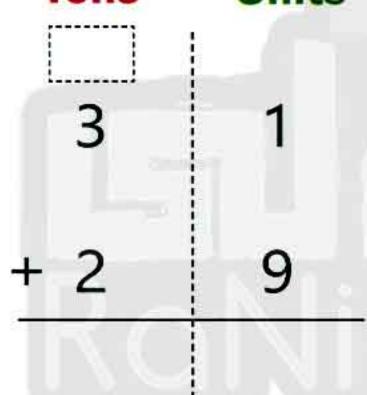


Exercise 5

Add with regrouping by using base ten blocks:

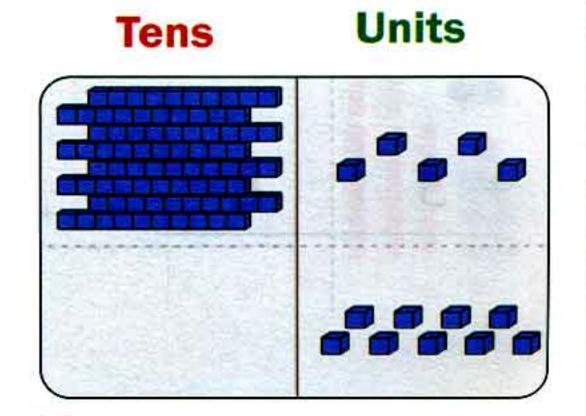
Tens	Units
	9
+	111
Tens	Units

Tens	Units	
The Telinu		



ICIIS	Omics
	00000

Tens	Units
8	4
+	9





Tens	Units
2	8
+ 6	3

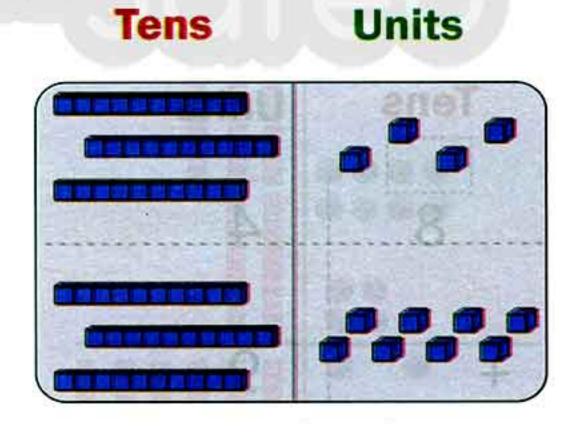
Tens	Units
mid <mark>uoitesi ha</mark> n	

Tens	Units
1	1
+ 1	9

ړ9

Tells	Units	
	THE WORLD'S RECEIP	
Units		
	00000	l
Park San A		

Tens	Units
3	4
+ 3	8



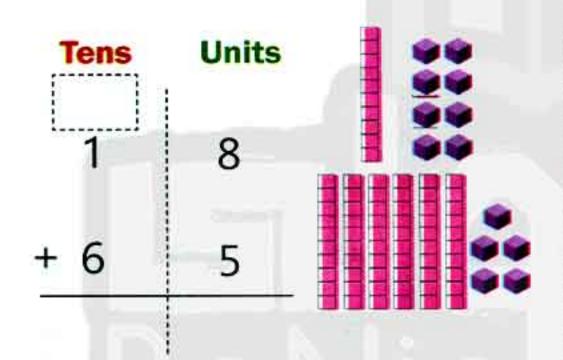


هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة المعالي المعالي

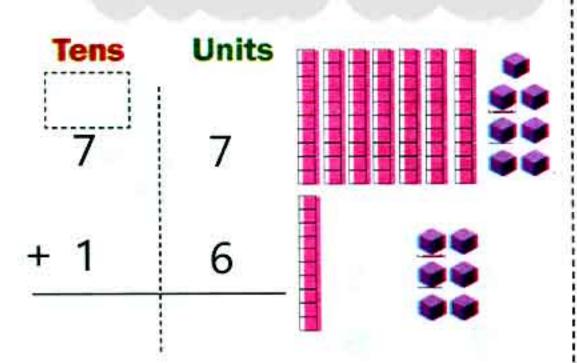
Add with regrouping by using base ten blocks:

1 '	
4 6	
+ 2 5	

Tens	Units	
3	5	-
+ 4	7	90



Tens	Units	•
5	5	***
+ 1	9	



00

تَابِطًا عَلَى صَفَحَنًا عَلَى الْفَيْسِولُكُ www.facebook.com/ZakrolySite





Add the following numbers:

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.



Find the sum:

$$52 + 31$$















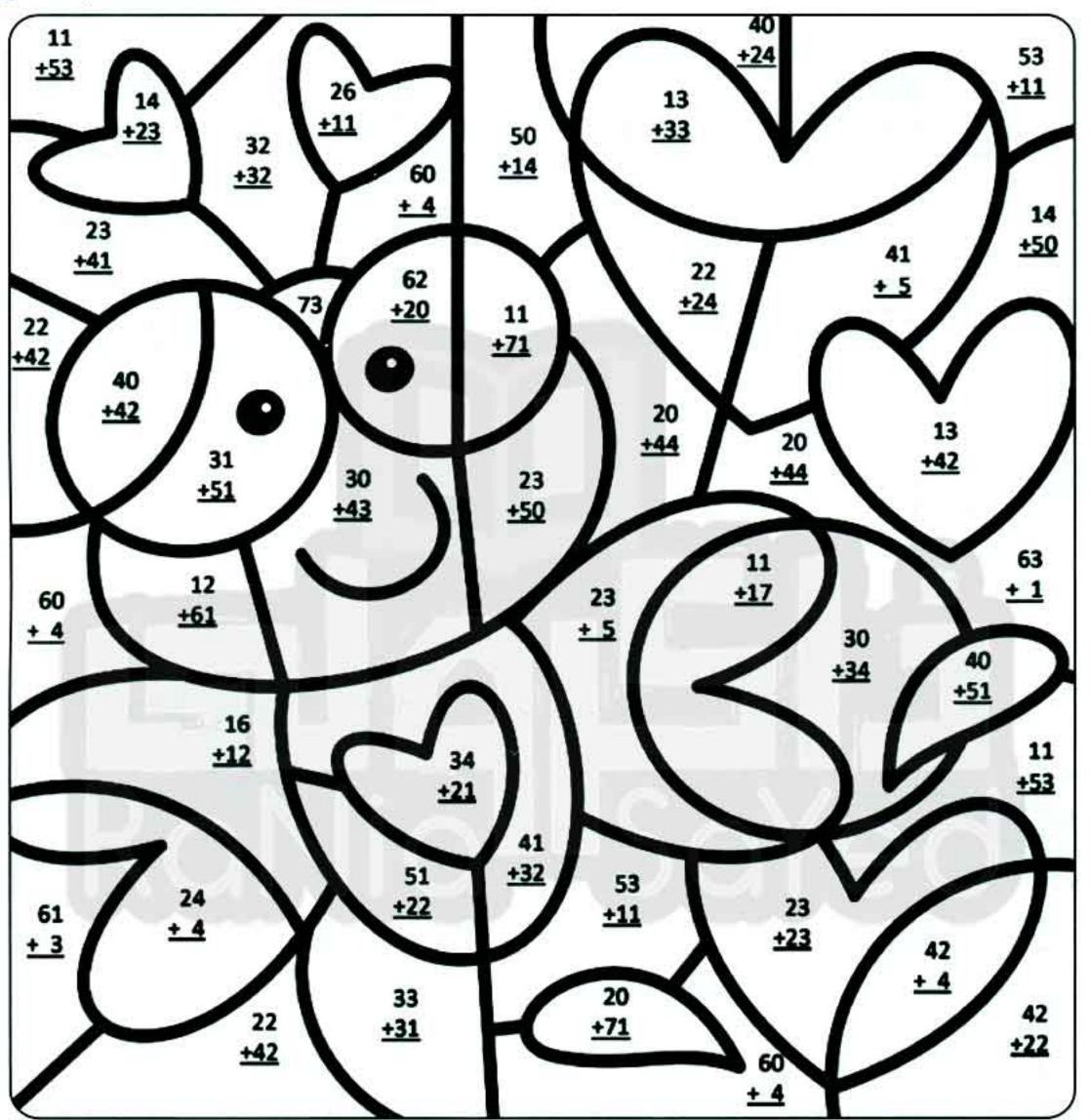




2+2

ړ9

Solve the addition sentences, then use the code to color the picture:



37 = red 46 = green 55 = yellow 28 = **blue**

64 =pumple 73 =pink 82 =white 91 =orange







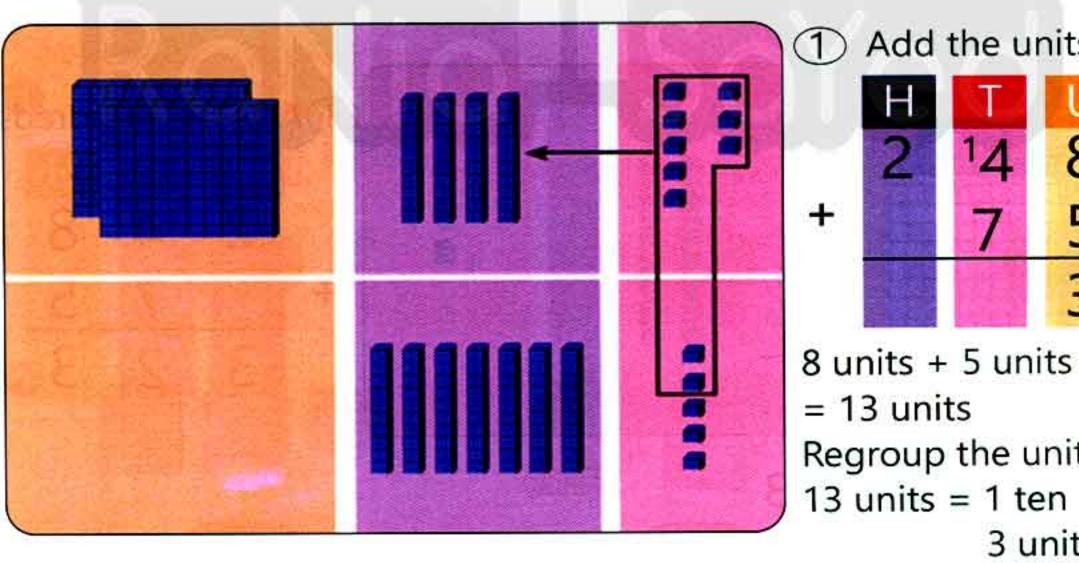


By the end of this lesson the student should be able to:

- Add two 3-digit numbers with regrouping.
- Apply mental math strategies to solve an addition problem involving regrouping.
- Add 1-, 2-, and 3-digit numbers with and without regrouping.
- Use place value models to regroup and add.
- Check answers to identify errors and misconceptions.
- Make connections between concrete and abstract
- models of regrouping.

Steps for 3- digit addition with renaming:

We need to add 248 and 75 by using the blocks

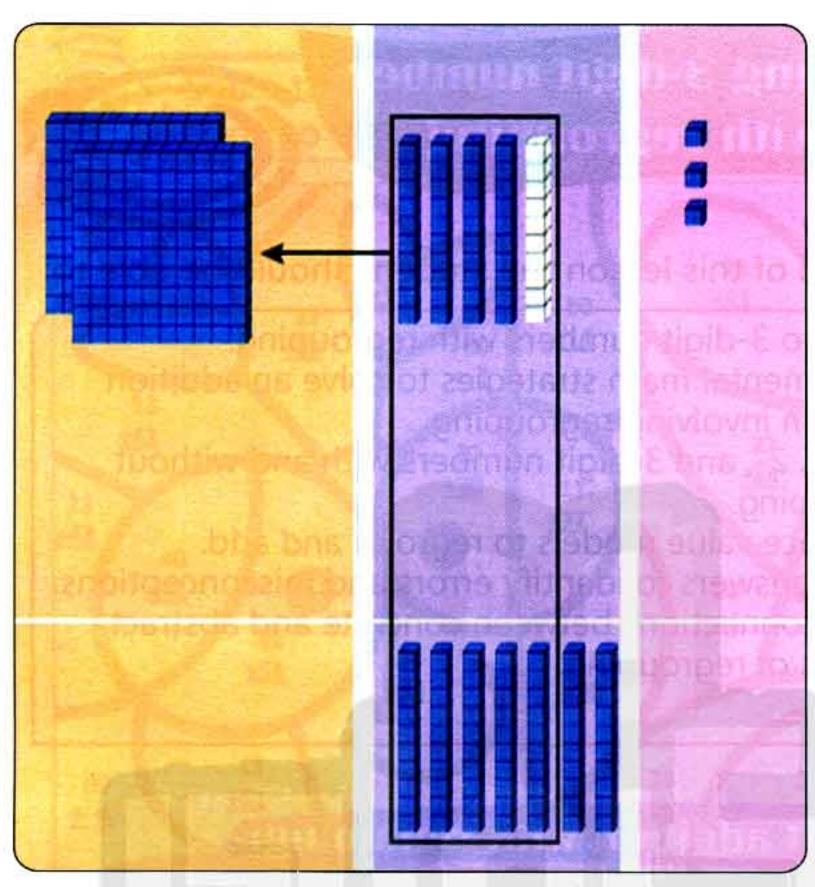


Add the units

= 13 units Regroup the units 13 units = 1 ten 3 units



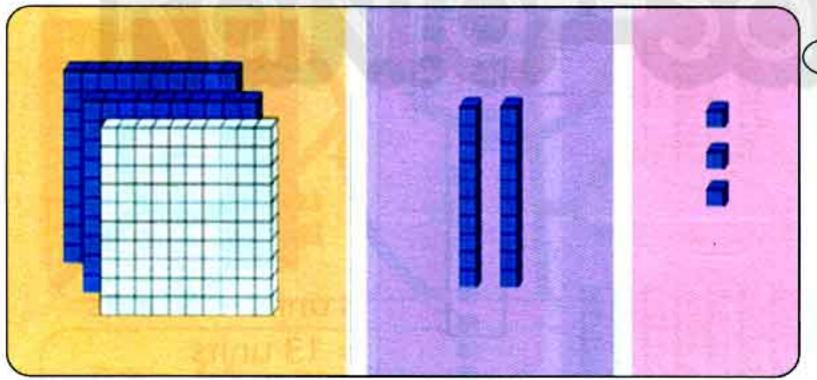




Add the tens

		ΓT	U
	12	14	8
+	di ^{ti} di Biring	7	5
)A_#)
		2	3

1 tens + 4 tens + 7 tens = 12 tens Regroup the tens, 12 tens = 1 hundred 2 tens



3 Add the hundreds

	H	T	U
	12	14	8
+		7	5
	3	2	3

248 + 75 = 323





Add the following numbers:

<u>0000000</u>

9,





Add the following numbers:

37					
	323 + 518	607 + 228 ——	507 + 463 ———	319 + 142 ——	
	 		· · · · · · · · · · · · · · · · · · ·		
	257 + 706	505 + 109	672 + 243	591 + 367 ———	
	572 + 336	760 + 215	822 + 145	912 + 461	
	476 + 485	155 + 738	379 + 548		***



Complete the following calculations:

3_8 + _3_	641 + _7_	4_5 + _78
487	8_4	74_
4	(S





Add the following numbers :

$$13)789 + 179 =$$

$$15) 103 + 515 =$$

$$16)405 + 239 =$$



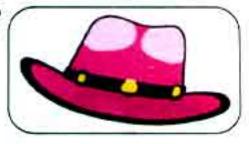


Answer the following word problems by addition:

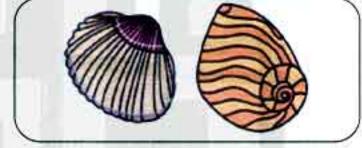
1- Sally swam in free style for 128 second and in back stroke for 86 seconds. How many seconds did she swim?



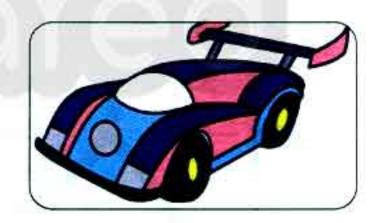
2- Mr. Thompson's store sold 195 caps on January and 57 caps on February. How many caps did they sell in two months?



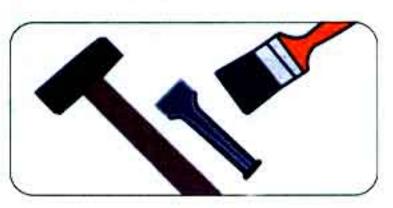
3- Rachel and Gabriela were making a seashell craft. Rachel used 148 seashells. Gabriela used 73 seashells. How many seashells did they use altogether?



4- Brenda scored 367 points in a car racing game. Amanda beat Brenda by 62 points. How many points did Amanda score?



5- Jack spent 483 minutes in stone carving. He took 51 minutes to paint it. How much time did he spend to create the sculpture?





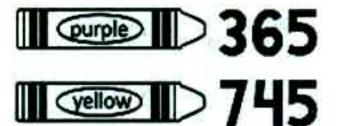


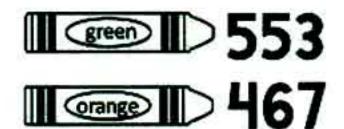


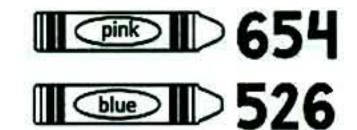
2+2

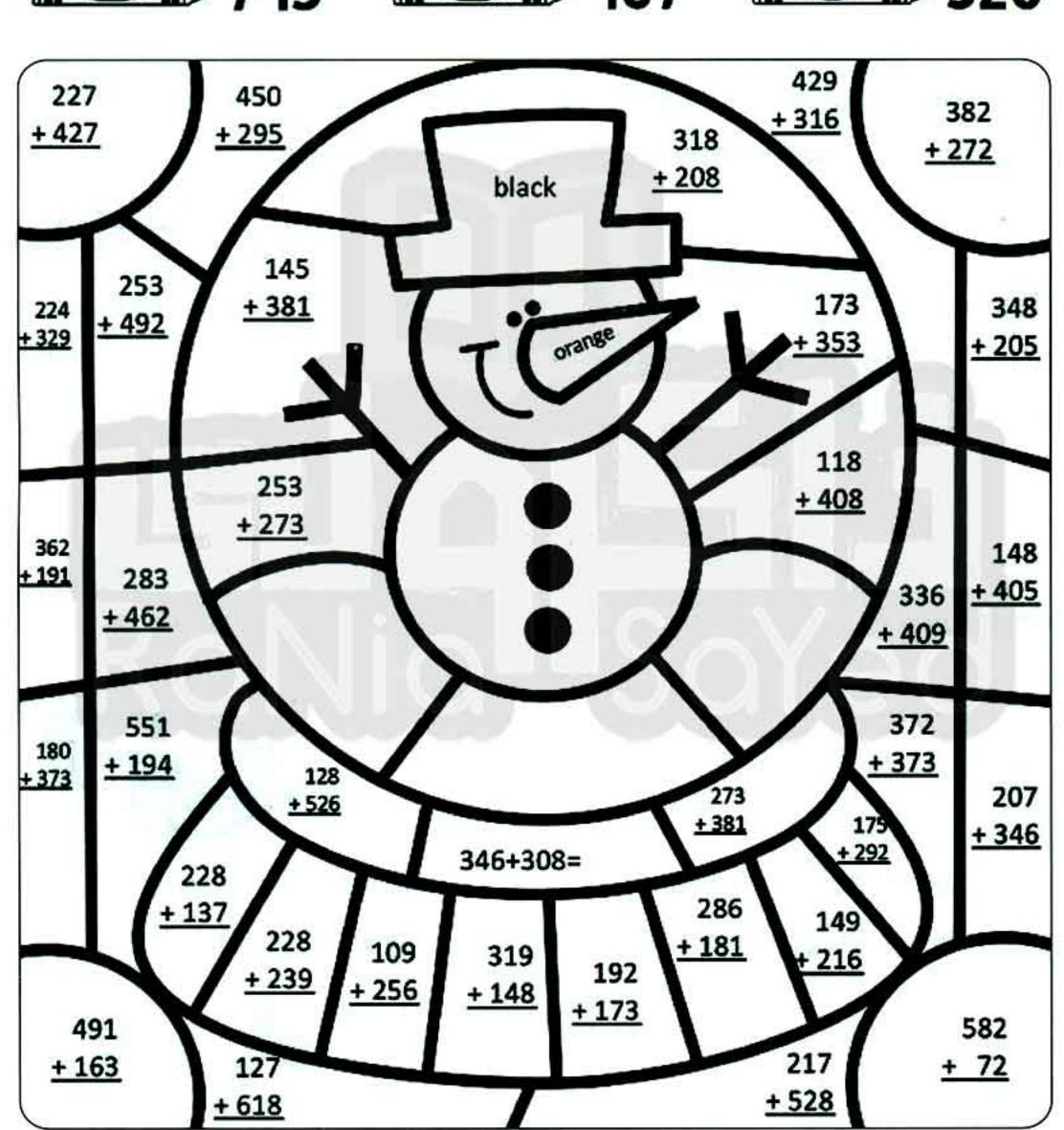
ړ9

Solve the addition sentences, then color according to the code:

















We will combine the explanation of some lessons in order to make it easier for the parent to explain them to the child and for the child to understand them better.



By the end of this chapter the student will be able to:

- Create addition and subtraction sentences using fact families.
- Explain the relationship between addition and subtraction.
- Use a number line to subtract.
- Investigate the relationship between addition and subtraction using a number line.
- Solve story problems involving subtraction.
- Identify words that signal them to subtract to solve a problem.
- Decompose 2-digit numbers into combinations of Tens and Ones.
- Explain how decomposing numbers can be helpful.
- Apply mental math strategies to subtract by Tens or Hundreds.
- Use known subtraction answers to solve new problems.
- Use place value models to regroup and subtract.
- Define regrouping.
- Use place value models to regroup and subtract.
- Apply strategies to estimate differences.
- Subtract 2- and 3-digit numbers with regrouping.
- Apply strategies to estimate differences.
- Make connections between concrete and abstract models of regrouping.



Fact Families



To the parents

By the end of this lesson the student should be able to:

- Create addition and subtraction sentences using fact families.
- Explain the relationship between addition and subtraction.

Fact Families



A fact family can be defined as a group of math facts or equations created using the same set of numbers. ... In an addition and subtraction fact family, there are four addition and subtraction sentences created using three numbers.

Example (1

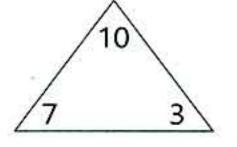
Numbers 3, 7 and 10 There are four facts that can be obtained from these three interrelated numbers:

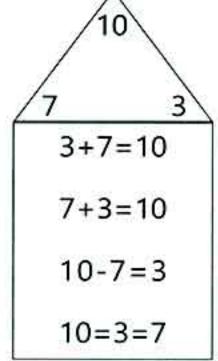
First, the addition facts, through which we collect the smaller numbers 3 and 7 as follows

The first fact is 3 + 7 = 10

The second fact 7 + 3 = 10

Second, the subtraction facts, through which we subtract from the largest number 10 as follows The third fact 10 - 7 = 3Fourth fact 10 - 3 = 7







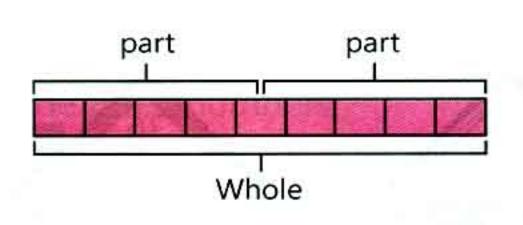
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

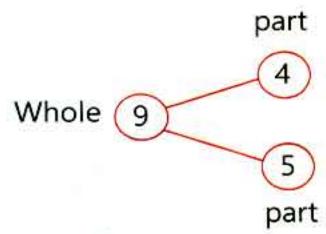




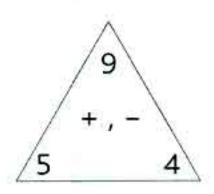
الصف الثاني الايتدائي

Example 2





Addition and Subtraction Fact Family



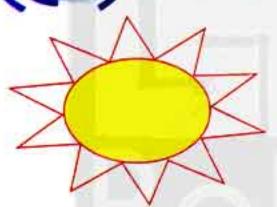
part + part = whole

$$4 + 5 = 9$$

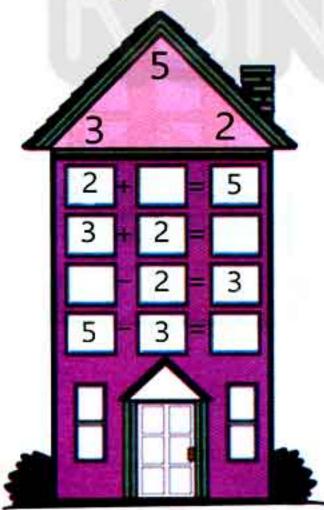
 $5 + 4 = 9$

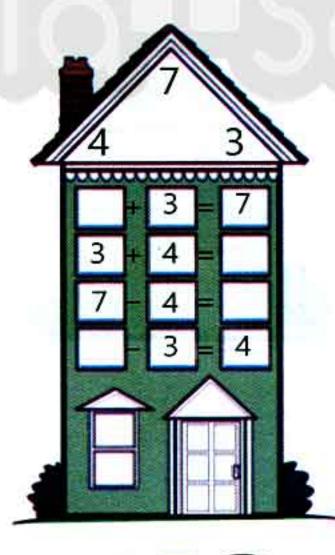
Exercise 1

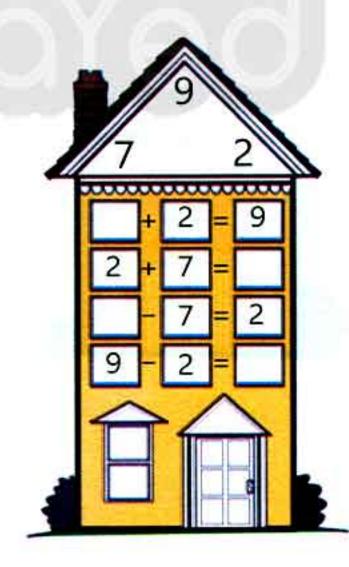
Write the missing number in each house:



نفوقك في أي عمل عليه الطامة دي والعسوس





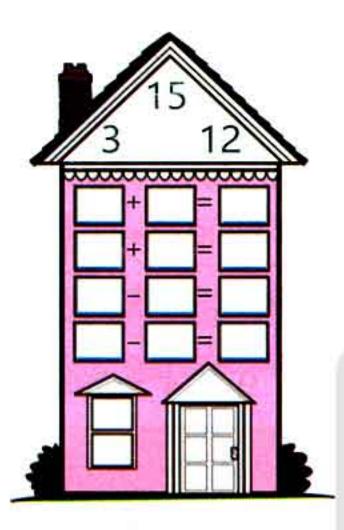


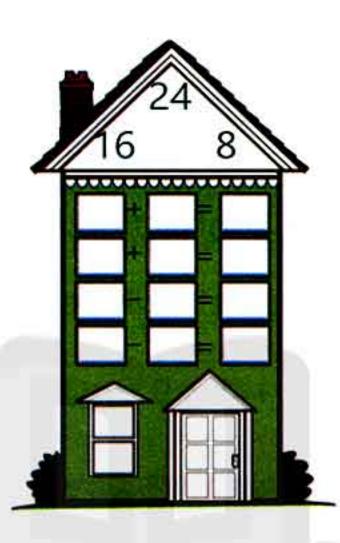
%7=3+V6< 167 >2-V1×8+

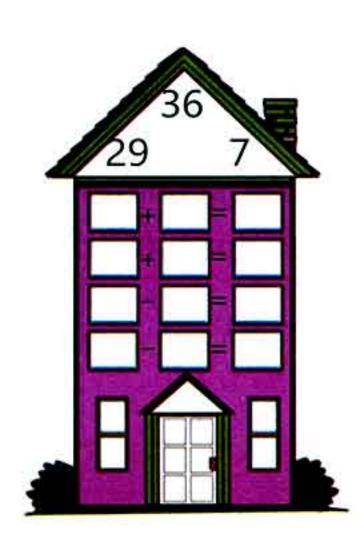




Fill in the numbers for each fact family house:







Make a fact family, for each number below create your own fact family, write the numbers in the boxes:



تابع جدہد ذاکر ولي على موقعنا https://www.zakrooly.com



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمسوس

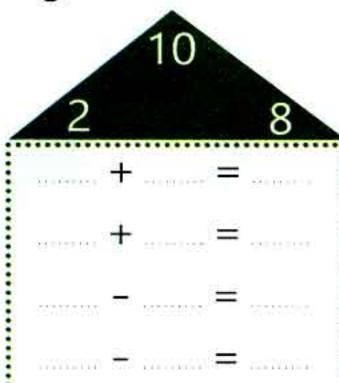
موقع والكروني التعليبي كتاب سندباد

الصف الثاني الابتدائي



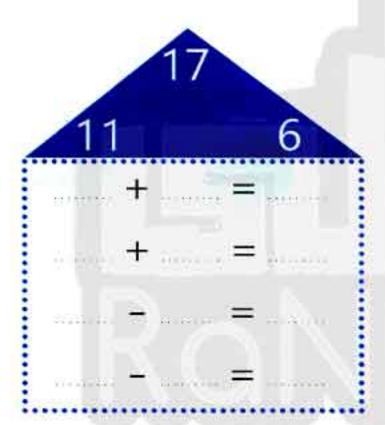
Fact family houses:

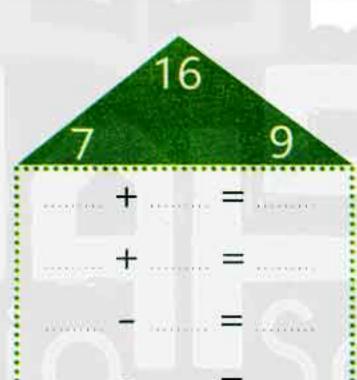
Each triangle contains the numbers in a fact family. Add or subtract using the three numbers.

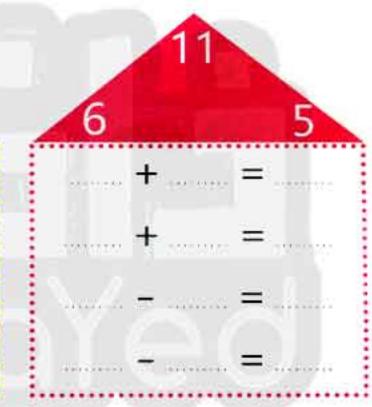


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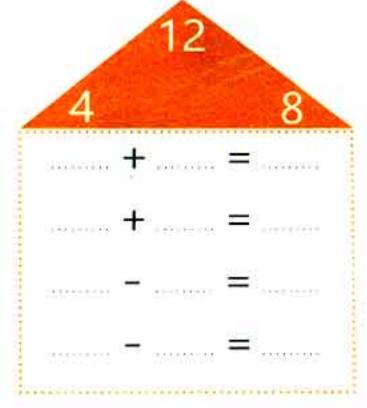






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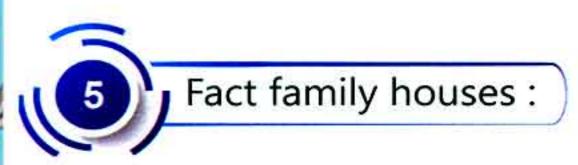
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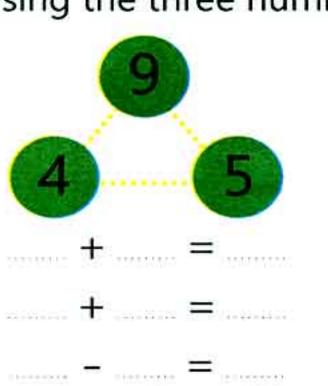
%7=3+V6< 169 >

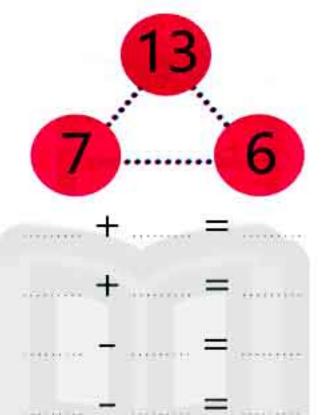
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلقة المعلق

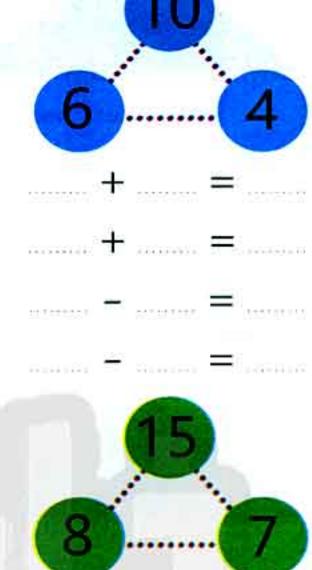


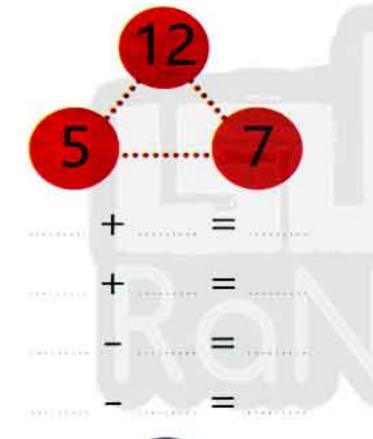


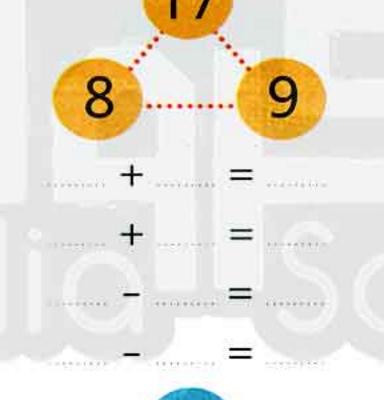
Each circle contains the numbers in a fact family. Add or subtract using the three numbers.

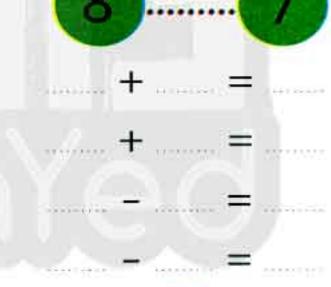


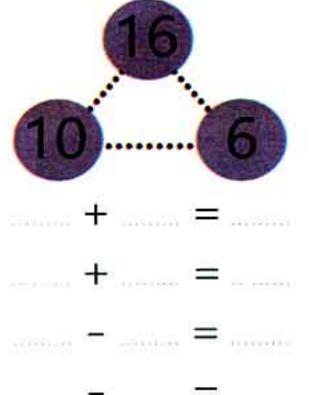


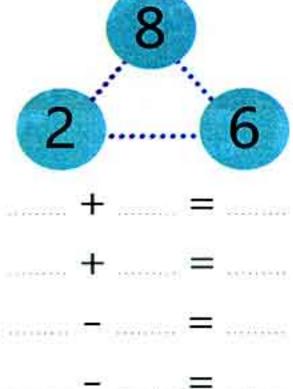


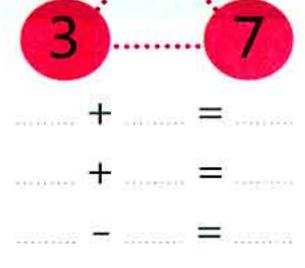














هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم





الصف الثاني الابتدائي



Tortoise Fact family:

Finish the fact families by writing the missing numbers. Then write the missing third number.

$$5+7=$$
 $7+$ $=12$

9+5=

$$5 + \dots = 14$$



































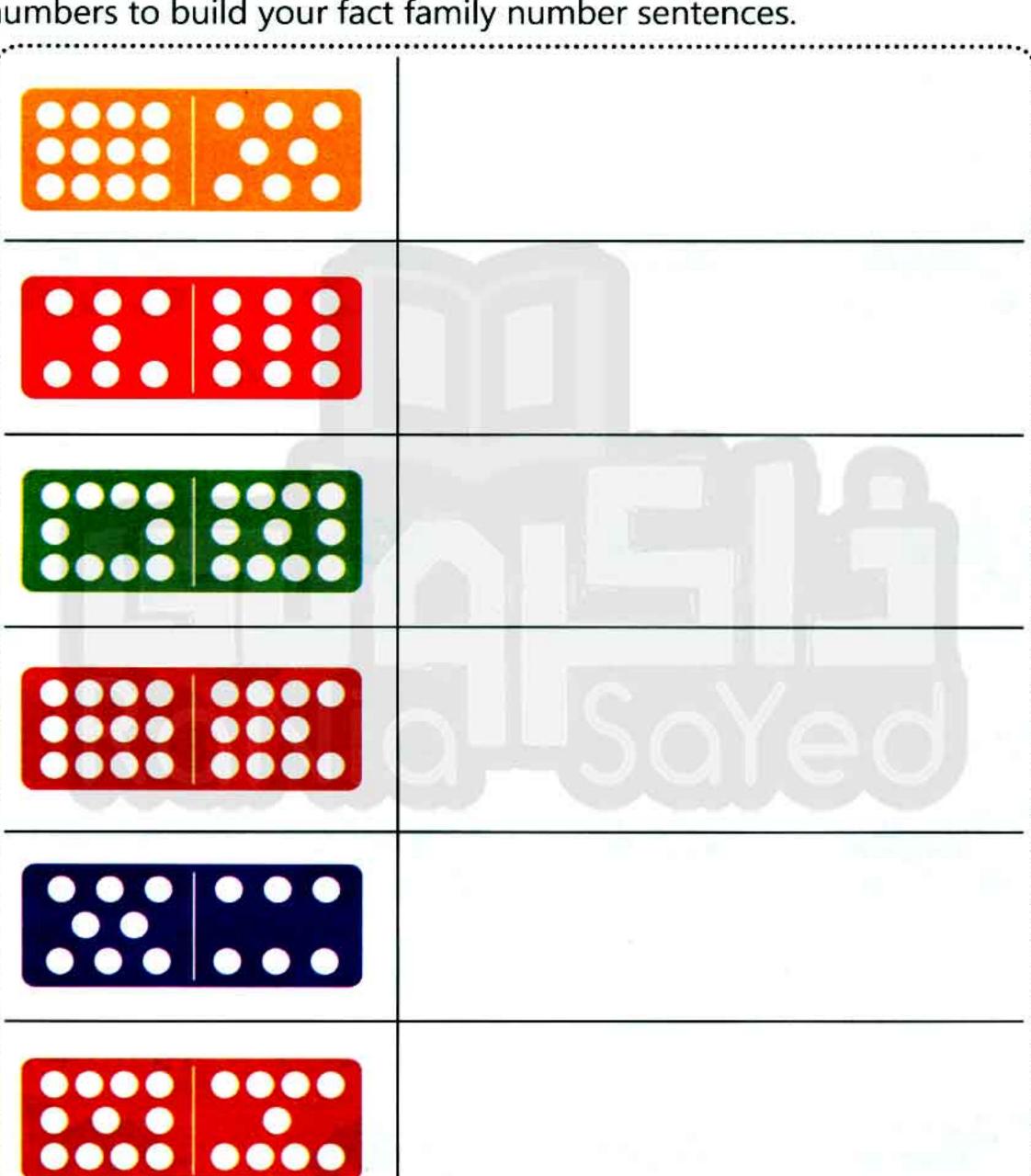








Add the domino dots together to find the total. Then use these three numbers to build your fact family number sentences.





Fill in the missing numbers in the fact family house.
Then, find the roof that matches the bottom of the house and draw a line to connect the two pieces:



$$3 + \square = 10$$
 $7 + 3 = 10$
 $\square - 3 = 7$
 $10 - 7 = 3$

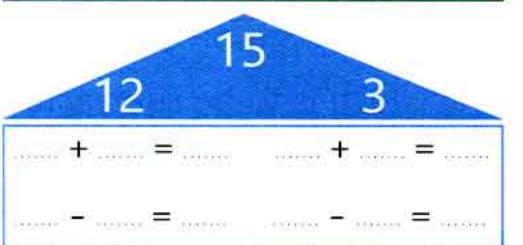




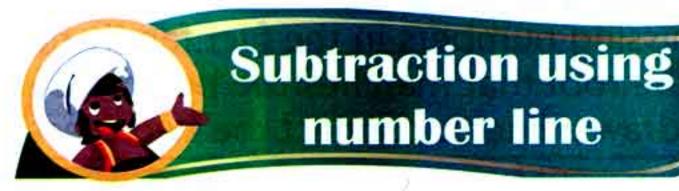
Complete the fact family houses below :

5	3
······ = ······	± =
=	- =

9	7
+ =	+ =
white man = hom	mare was # sam











By the end of this lesson the student should be able to:

- Use a number line to subtract.
- Investigate the relationship between addition and subtraction using a number line.
- Solve story problems involving subtraction.
- Identify words that signal them to subtract to solve a problem.

Subtraction on a number line:

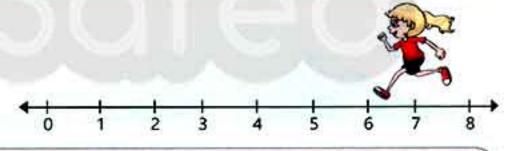
Subtraction on number line is used only for small numbers.

- In subtraction, the first number is called minuend and the 2nd number is called subtrahend.
- While doing subtraction, we get a smaller answer than the first number. The answer is greater than the second number.

For example: $5 - 2 = 3 \Rightarrow 3$ is less than 5

During subtraction we jump to left side by one step.

Remark



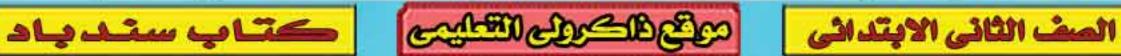
Keep in mind the following rules of movements on the number line to subtract a given number from another number:

- (i) Mark both the given numbers on the same number line, each starting from zero.
- (ii) From the second number (i.e., the one which is to be subtracted), find how many steps are needed to reach the position of the first number.

This number of steps is the required answer.



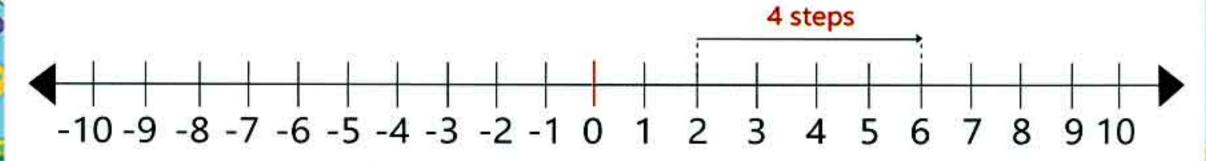




Example 1

Evaluate using a number line 6-2.

Mark the positions of numbers 6 and 2 on the same number line.



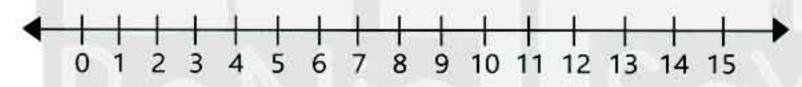
Now count how many steps are needed from the position of number 2 to reach the position of number 6. We find it is 4 steps to the right. Therefore, 6 - 2 = 4.

Example 2

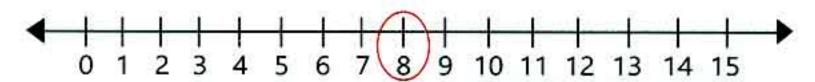
another way:

$$8 - 5$$

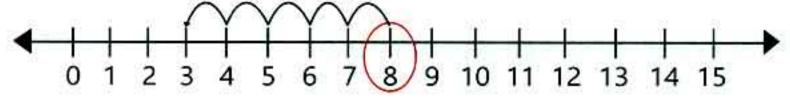
Draw a number line up to say 15.



Mark 8 on it.



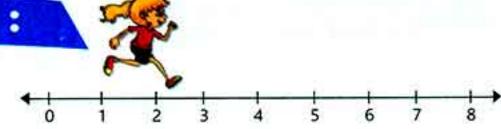
As the 2nd number is 5 and we are doing subtraction, so 90 5 steps to left side from 8.



So the answer of 8 - 5 is 3.



Addition on a number line:



Addition on number line is used only for small numbers.

- Mark the first number on the number line.
- Move the same number of spaces as the second number in your addition problem and then stop.

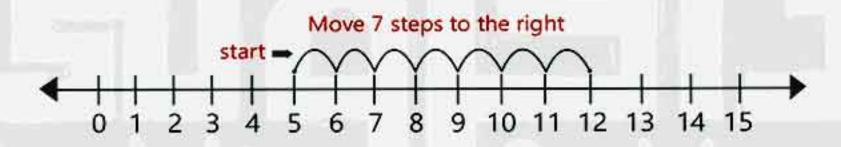
The number where you stopped is the required answer.

Example

5 + 7

Look at your math problem. Determine which number is first in the problem and which is second.

Draw a number line. Say up to 15.



- Find the first number of your addition problem on your number line and mark it .
- This is where you will start counting.
- Move your pencil to the right 7 steps (move your finger the same number of spaces as the second number in your addition problem)
- Then stop. Don't move more spaces than the second number in your addition problem.
- Look to see what number you are standing on . That is the answer to your math problem.
- So the answer of 5 + 7 = 12



Exercise 2

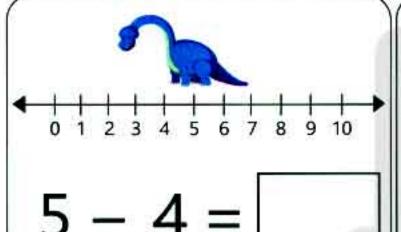


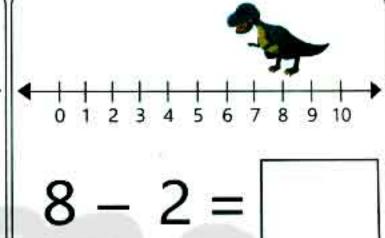
Find the difference using the number line:

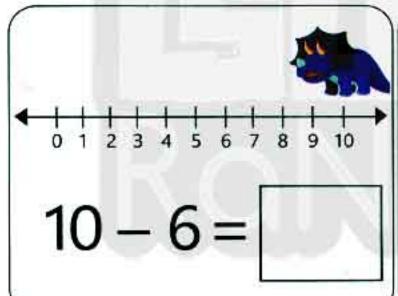
Dinosaur Number Line Subtraction Within 10

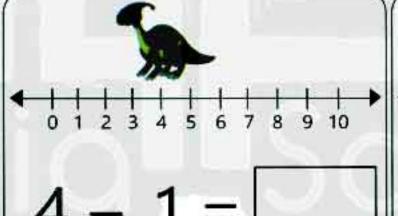


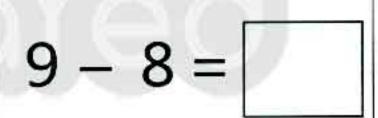
Use the number lines to subtract. Write the answers in the boxes.

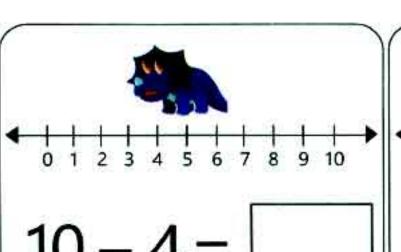


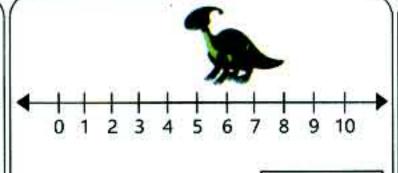


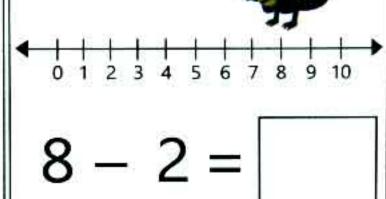






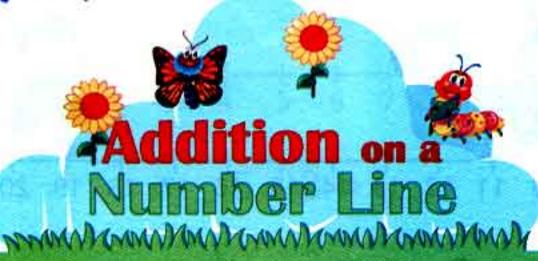


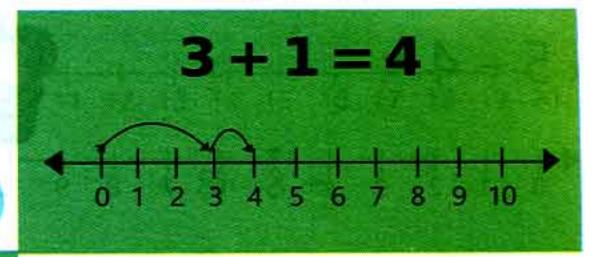






Find the sum using the number line:





$$2 + 4 =$$

9,

$$6 + 6 =$$

$$8 + 3 =$$

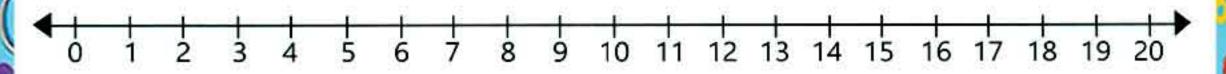
$$5 + 4 =$$



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والعمول العمل العمل على مواقع أخرى والعمولي العمل ا



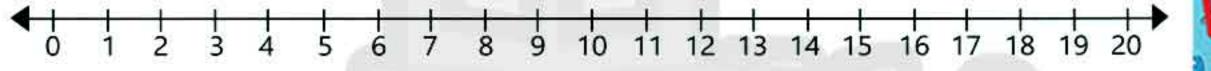
Subtract using the number line:



$$5 - 3 = -$$

$$8 - 3 = -$$

$$8 - 4 =$$



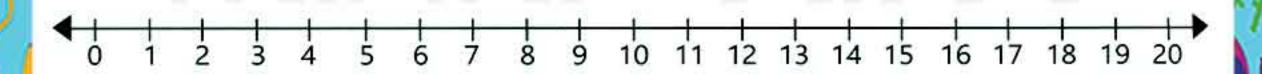
$$18 - 6 =$$

$$13 - 3 =$$

$$12 - 2 =$$

$$8 - 4 =$$

$$6 - 4 =$$



$$10 - 5 =$$

$$20 - 5 =$$

$$10 - 2 =$$





Word problems:

- A word problem is a few sentences describing a 'real-life' scenario where a problem needs to be solved by way of a mathematical calculation.
- They are mathematical problems that express a story and end with a question about the number of something mentioned in the story.
- In order to answer the question, the verbal words must be converted into a numerical equation, then this mathematical equation must be solved whether it is addition or subtraction equation or otherwise.
- During this lesson we will study word problems that translate into subtraction.
- There are many more important keywords in a question that enable you to translate a word into a subtraction equation.
- Words like "spend", "give" or "shortage", "takeaway" tell us that something has been taken from the whole and therefore to solve it we need to make a subtraction.
- Questions like "How much is left?" And "What is more?" It also expresses a word problem translated for a subtraction.



With subtraction, order matters.
 For example:

58 – 22 can be subtracted, but the opposite is not true.

- This is an important part of solving verbal problems finding out what's going on in the story and determining the order of the numbers in your equation.
- If in addition problem, then the order does not matter, but with the subtraction the order within the equation is necessary.

Steps for solving Word problems:

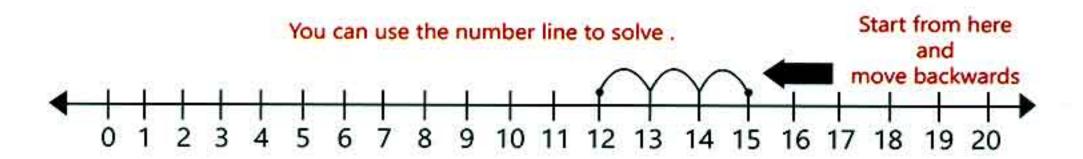
- 1. Read through the problem and highlight key words and numbers.
- set up a word equation .
- Put numbers in place of words wherever possible to set up a regular math equation.
- 4. Use math to solve the equation.
- 5. Answer the question the problem asks.

Example O



Ahmed had 15 pounds . He bought a pen for 3 pounds. How many pounds left with Ahmed?

15 - 3 = 12 pounds





هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة





الصف الثاني الابتدائي

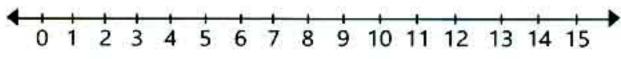
Exercise 3



Find the missing number by counting down on the number line :

a- Martha has 5 teddy bears. She gives 3 of them to her sister, Alyssa.

How many teddy bears does Martha have now?



Calculations:

Answer: bears.



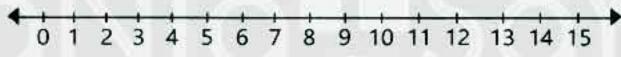
b- There are 7 students in a class room. The arts and crafts teacher has 10 paint tubes and hands over a tube to each child. How many paint tubes remain?

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Calculations:

Answer: paint brushes .

c- Brett builds 12 sandcastles on the seashore. 6 get washed away by waves. How many of Brett's sandcastles remain on the seashore?



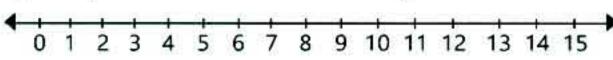
Calculations:

sandcastles. Answer:



d- Billie has 14 jump ropes. 2 among them have adjustable ropes.

How many jump ropes remain non-adjustable?



Calculations:

Answer: ropes.









Read each word problem carefully, underline the keywords and solve:

1) There were 15 cups in a shop. 7 fell when a shelf broke. How many cups were unbroken?

......

Calculations:

Answer: cups.

2) Harry had 23 L.E. in his money box. His mum let him spend 12 L.E. on a new toy. How much was left in his money box?

Calculations:

Answer: L.E.



3) Sue collected 19 stamps. She swapped 15 of them for a giant teddy bear. How many stamps left with her?

Calculations :

Answer: stamp.



4) Bill's story was 20 words long. Ben's story was 12 words long.

How many more words did Bill write than Ben?

Calculations:

Answer: word.



5) There are 65 pages in my book. I have read 23 page. How many

more pages do I need to read?

Calculations:

Answer: pages.





6) 23 ships dock at the port, 3 of which departed, how many ships are in the port now.

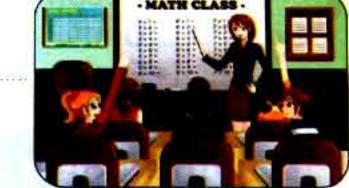
Calculations:

Answer: ship.

7) The number of third-graders in the school are 65 students, how many students learn in Class Three A, if the number of students learning in Class Three B are 30 pupils?

Calculations:

students. Answer:



8) Ahmed bought items from the store, which cost 70 pounds, he gave the seller a 100-pound, how much does a seller have to return to him?

Calculations:

pounds. Answer:



9) In the third grade the number of girls are 17 girls and the number of boys are less than the number Girls by 7, How many students are in third grade?

Calculations:

students. Answer:



10) In the sixth grade, 17 boys and 14 girls, if 11 students, did not participate in the trip. How many students participated in the trip?

Calculations:

Answer: students







To the parents

By the end of this lesson the student should be able to:

- Decompose 2-digit numbers into combinations of Tens and Units.
- Explain how decomposing numbers can be helpful.

Decompose a 2-digit number :

Decomposing is when we break the number apart:

First: units

Second: tens

 $39 \Rightarrow 30 + 9$ "Decomposing"

Example

Example: The number 69 can be broken down to 60 + 9 and also can be broken down to 50 + 19 and so on.

This is the base on which subtractions will be used using regrouping.

التب ذاكرولي في البحث وانض لجروبات ذاكرولي هنه رياض الاطفال للصف الثالث الاعدادي



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة

الصف الثاني الابتدائي مركم الكراج التعليجي كتاب سند باد

Exercise 4

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Decompose each two digit number into tens and units:

tens and ____ Units

83

tens and ___ Units

38

tens and ___ Units

tens and ___ Units

62

tens and ___ Units

tens and ___ Units

tens and Units

tens and ___ Units

tens and ___ Units

tens and ___ Units

%7=3+V6< \$ 189 } >2-V1×8+

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

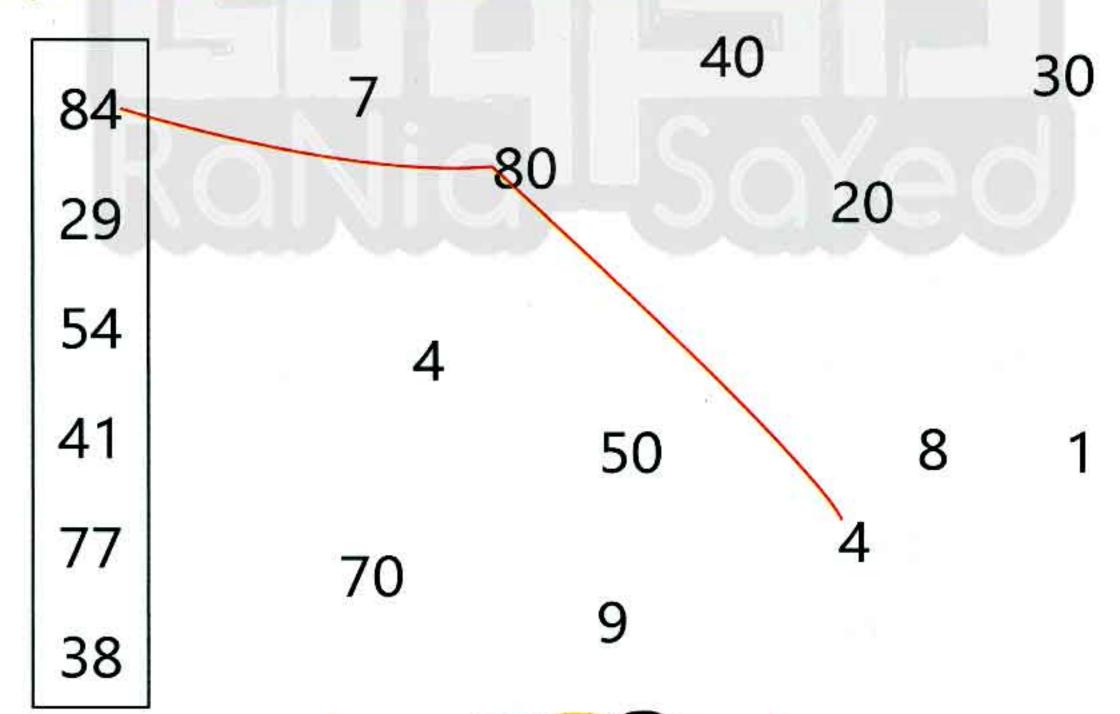
الصف الثاني الابتدائي مركع الكوراج التطاييج كتاب سند باد



Decompose each two digit number into tens and units:

Decompose each number. Example 57 50 + 7

Draw a line to connect each number with its decomposed parts:







Decompose each number by drawing pictures, then write an equation for each number:

Decompose by drawing rods as tens and blocks as units to represent each number:







Decompose 2-digit addition sentence:

Decompose to Add: Two Digits within 20

Break the numbers into tens and units before adding.

The first one is done for you.

The first one is done for you.			
18+14=32 First add the tens $10+10=20$ Then, add the units $8+4=12$ Finalls add both results $20+12=32$	16+13=	13+12=	
17+15=	18+9=	13+11=	
18+18=	15+14=	17+6=	
15+13=	16+11=	14+14=	







Decompose 2 -digit subtraction sentence

36 - 15 Subtract tens first $30 - 10 = 20$ Then units $6 - 5 = 1$ Answer is 21	55 – 44	69 – 28
48 – 4	87 - 15	39 - 17
63 – 21	72 – 40	27 - 3
34 — 10	77 - 32	89 – 45







Decompose 2 –digit subtraction sentence:

Directions: Use the decomposition strategy to solve the following				
subtraction problems.	Work Space	Answers		
Example: 184-123=	180-120=60 4-3=1 60+1=61	61		
1. 136 -104=				
2 . 106 – 92=				
3. 114 - 81=				
4 . 257 –132=				
5. 147 -104=				







Subtract by tens and hundreds





By the end of this lesson the student should be able to:

- Apply mental math strategies to subtract by Tens or Hundreds.
- Use known subtraction answers to solve new problems.

How to delete common zeros:

It is a way to solve a mathematical problem mentally by calculating the common zeros when adding and subtracting, where it is possible through this method to find the number of zeros common between the two numbers, and then ignore them until the problem is solved, then it is returned when finding the result, and here are some examples that show how to solve a problem with zeros.

Example

First:

Ignore the zeros in 120 and 70, then the number is subtracted as follows: 12 - 7 = 5.

Second:

The common zero is returned to be placed on the right side of the number 5, and the final result becomes 50

Therefore, the result of the problem is 120 - 70 = 50.







Find the result of the following problem: 300 + 200.

First:

Ignore the zeros in 300 and 200, then the number is subtracted as follows: 3 + 2 = 5.

Second:

The common zero is returned to be placed on the right side of the number 5, and the final result becomes 500

Therefore, the result of the problem is 300 + 200 = 500.

Exercise 5

Find the result in each of the following:

$$20 + 50 =$$

لا تئس الاشئر اك في قنـوات ذاكـرولي على تطبيق الثليجرام

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Find the result in each of the following:

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم المث الثاني الابتدائي مركع الكريل التعليم كتاب سند باد



Subtract 2-digit number with regrouping



To the parents

By the end of this lesson the student should be able to:

- Use place value models to regroup and subtract.
- Subtract 2-digit numbers with regrouping.
- Define regrouping.
- Use place value models to regroup and subtract.
- Apply strategies to estimate differences.
- Subtract 2- and 3-digit numbers with regrouping.

Steps for Subtraction with renaming:

Start with the unit. Ask, "can you subtract"?

	Tens	Units	Tens	Units	
	4	2			
-	1	6	_		
2		?		?	

Hint:

If the number on top is smaller, you cannot subtract.



ذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى **المعلمولية**





الصف الثاني الابتدائي

Second:

If you can't subtract, take a ten and move it to the Units column.

Tens	Units	Tens	Units
10 10 10 10	•10 2		
- 1	6		
	?		?

Third:

Add the ten to the Units on top.

Tens	Units	Tens	Units
4	10 =12 2		
- 1	6		
	?		?

Fourth:

Now there are enough Units on top to subtract.

Tens	Units	Tens	Units
3 4	12		
- 1	6		
3	6		

Fifth:

Finally. Subtract the tens.

-	Tens	Units	Tens	Units
	3 24,	12		****
	- 1	6	}_	
	2	6		999

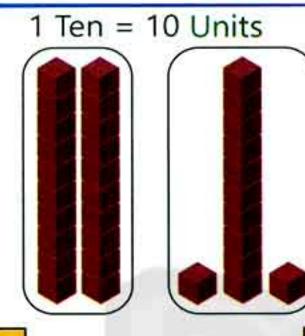


Exercise 6



Find the result in each of the following as in the example:

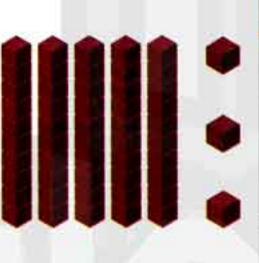
Tens	Units
23.	12
-2	6
0	6



Tens	Units
5	3
_3	6

Units

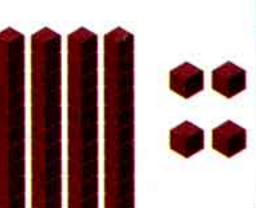
Tens



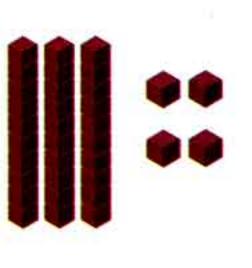
Tens	Units
7	3
-4	8

Tens	Units	
3	5	11
-1	9	

Tens	Units
4	4
-2	6



Tens	Units
3 -2	4 7







Complete as in the example:

%7=3+V6< (201) >2

هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم المن الثاني الابتدائي (مركع الكريل التعليم) كتاب سند باد

Subtract the following:

1	4	:	8	:	į	2	1	6	1	į	3	!	3	i		2	1	9
1		i		1	i		i		ŀ	1		i		-	i		į	
+	2	1 1 1	2	1	+	1	1	0	1 1 1	+		1	1	-	+	1	1 1	0
<u>.</u>		1							<u> </u>			1					1	
1		i		1	- 1		i		1			i		1			i	

	t t 1	1 1	i i	
+ 4	+1	0 +	1 1	<u>+</u> 1 4





Find the difference as in the example:

 $\frac{10}{80} - 22 = 28$

8) 55 - 37 =

7) 60 - 28 =





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Subtract to find the difference :

4	1
3	9

	2	1
-	1	3
_	1	3

_	6	1
-[5	4
Į Ī		

7	1
/	1
3	9





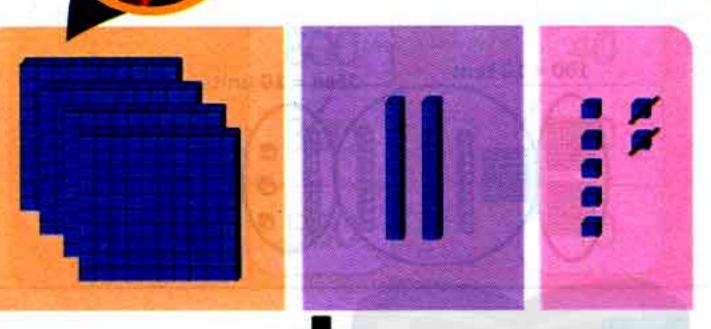
Fill in the circle by the correct answer:

75	○30	31	O32	67	O34
- 45	015	- 10	021	- 54	O55
	○90	- KE (8	012		O13
51	061	21	O10	83	071
- 8	O12	<u> </u>	O 1	- 40	O43
	043		15		33
1 81€	016	43	071	55.	O33
- 37 ⁻²	044	- 19	044	– 22	017
	○33		O24		077
97	O54	71	O70	39	042
- 43	091	14	072	- 12	O13
	064		68		O27
31	026	58	040	25	040
- 5	09	- 16	041	– 50	O20
	O36		042		30



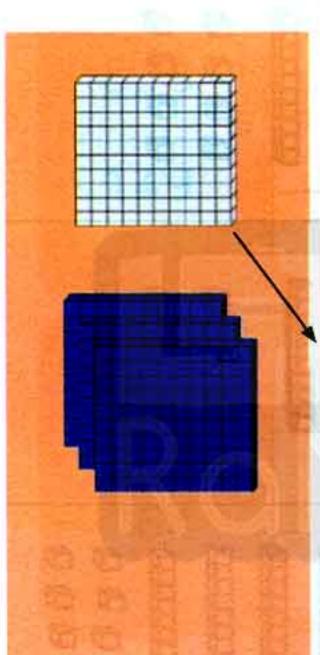


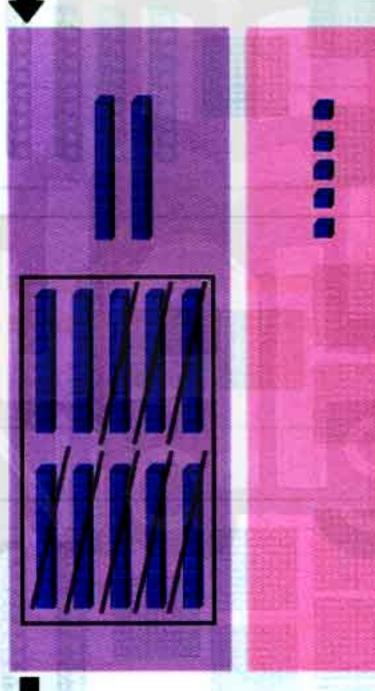
Subtract 3-digit number with regrouping



1) Subtract the units.

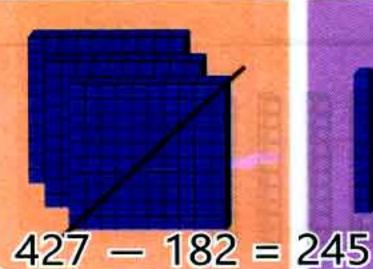
	Н	T	U
	4	2	7
_	1	8	2

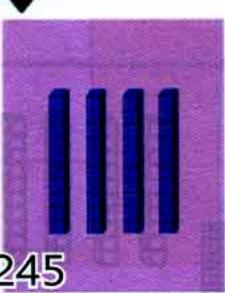


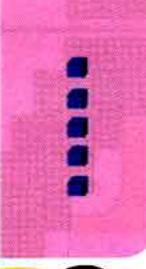


2 Subtract the tens Regroup the hundreds and the tens .4 hundreds 2 tens will be = 3hundreds and 12 tens.

	T	U
3/4	12	7
· h	8	2







3 Subtract the hundreds.

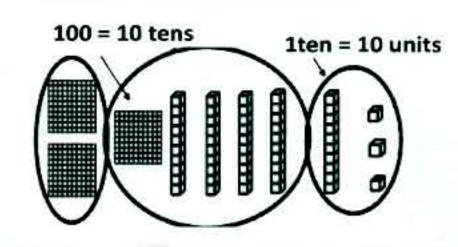
·		T	U
	3A	12	7
=	1	8	2
	2	4	5



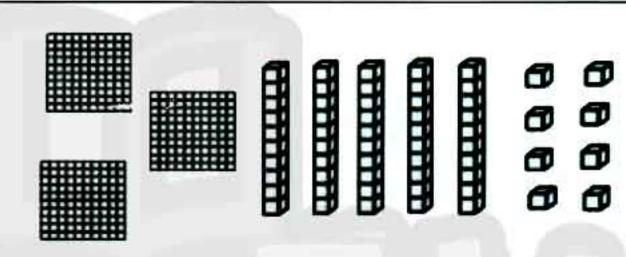
Exercise 7

Find the result in each of the following as in the example:

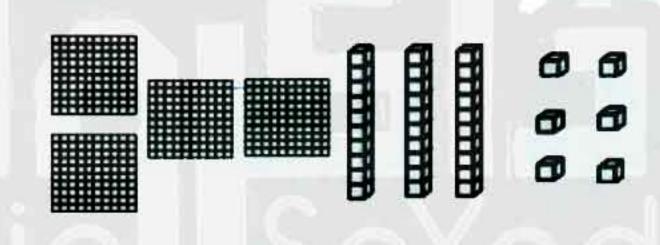
Н	T	U
23	¹⁴ 5	133
-1	7	6
1	7	7



Н	T	U
3	5	8
-1	7	9



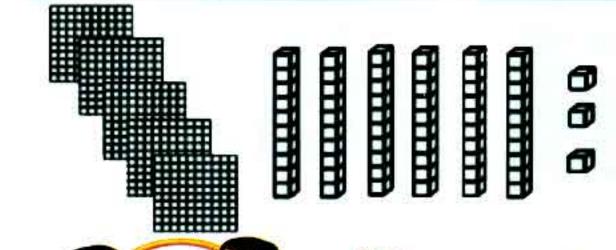
Н	T	U		
4	3	6		
-2	6	7		
)	, m		



Н	T	U
6	5	7
-3	8	9

							8 6 6 6 6	3
--	--	--	--	--	--	--	-----------	---

H	T.	J
5	6	3
-2	4	7





هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلقة





الصف الثاني الابتدائي



2+2

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Complete as in the example:

$$\begin{array}{c}
844 \\
-327
\end{array} =
\begin{array}{c}
800 \\
300 \\
\hline
500
\end{array} -
\begin{array}{c}
30 \\
40 \\
\hline
20 \\
\hline
10
\end{array} -
\begin{array}{c}
14 \\
7 \\
\hline
7
\end{array} = 517$$





Solve the following using place value strategy:

Break apart the numbers to add or subtract. Think about adding the units alone and then add the tens alone, remember to show your work .

Think:

70+8 40+5 (70+40)(8+5)

> 110 13

75 🛖 42 🛢

57 = 24 =

483 🗣 512 🛢







Solve the following using place value strategy:

396

-129

290

-190

556

-229

858

-359

736

-339

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526

- 235

609

- 296

584

- 205

932

-198

869

-389

784

- 203

627

-329

393

-212

751

- 256

335

- 170

%7=3+V6< \$209 >2-V1×8+

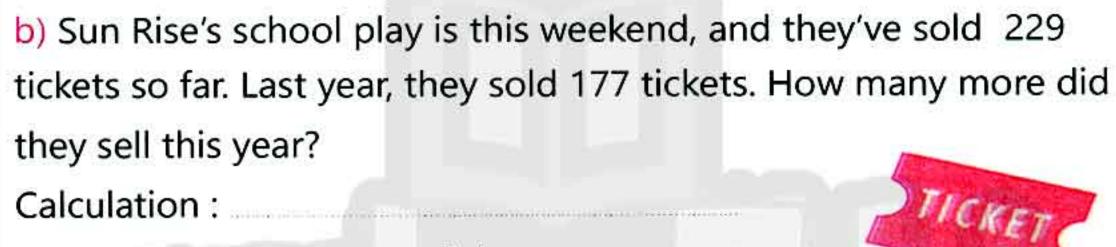


Solve the following word problems:

a) To raise money for a new science lab, Martinez Elementary is selling T-shirts and hats with the school's name on it. They sell 73 T-shirts and 29 hats. How many more T-shirts did they sell than hats?

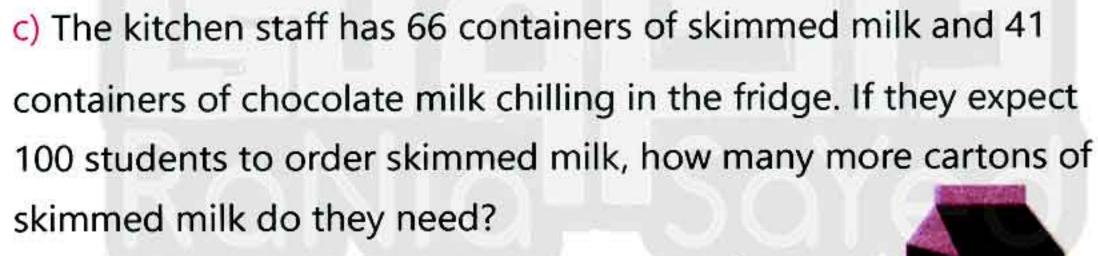
Calculation:

Answer: T-shirts



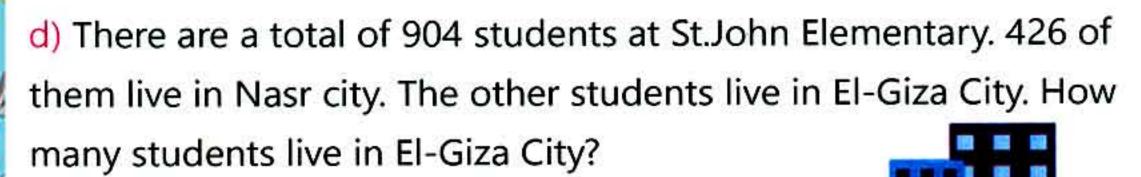
Calculation:

Answer: tickets



Calculation:

cartons Answer:



Calculation:

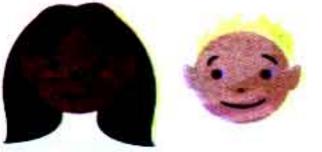
Answer: students



e) Mrs. Catherine, who teaches gym, needs to order uniforms for her students. She has received 24 order forms from girls and 19 order forms from boys. How many more girls than boys does she teach?

Calculation:

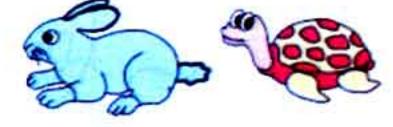
students Answer:



f) The hare and the tortoise ran a race. The turtle took 330 seconds to cross the finish line. The hare completed the race in 128 seconds Who won the race and by how many seconds?

Calculation :

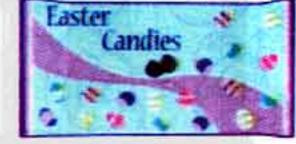
Answer: seconds



g) Sarah and Alan went for trick or treat on Halloween. Sarah collected 442 candies in all. She gave away 236 to Alan. How many candies does Sarah have now?

Calculation:

candies Answer:



h) As the final whistle blew in a game of basketball, Team USA scored 655 points and Team Russia scored 548 points. Which team won the game and by how many points?

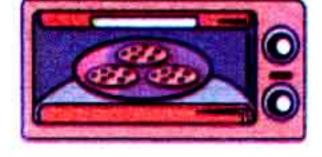
Calculation:

Answer: points

i) Hannah baked a batch of 700 chocolate chip cookies. She sold 478 of them to a neighbour. How many cookies were left over after sales?

Calculation:

Answer: cookies







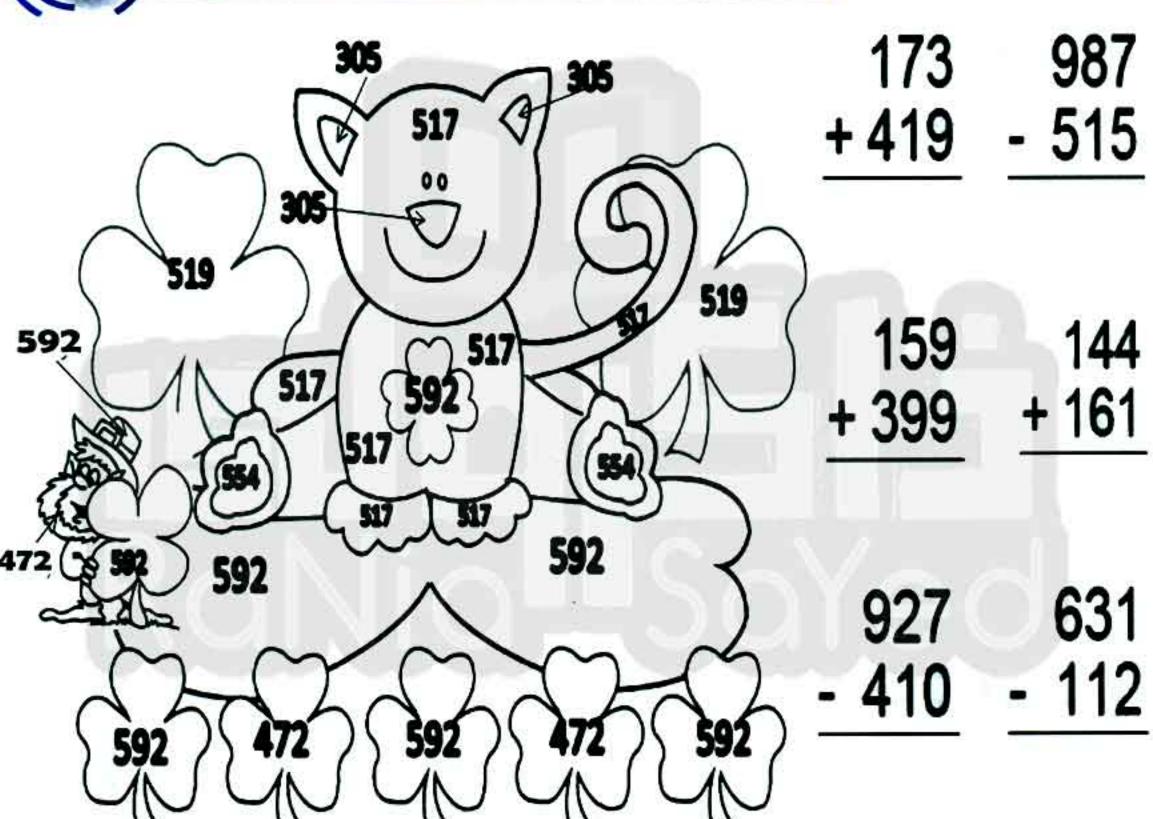
j) Haroon has a collection of 291 toy cars. He gives away 127 of them to his little brother, Ryan. How many toy cars does Haroon have now?

Calculation :

Answer: toy cars







592 = Green 472 = Orange 305 = pink

519 = yellow 554 = red 517 = brown







Lessons from 101 till 110

We will combine the explanation of some lessons in order to make it easier for the parent to explain them to the child and for the child to understand them better.



By the end of this chapter the student will be able to:

- Identify equal and unequal parts of a whole.
- Use appropriate vocabulary to describe fractions.
- Investigate the attributes of halves, fourths, and thirds.
- Investigate fractions with a numerator greater than 1.
- Make connections between images of fractions and fraction names.
- Identify multiple ways to divide a rectangle into fractional parts.
- Create fractions using word or number clues.
- Identify numbers as even or odd.
- Name all fractional parts for halves, thirds, and fourths.
- Identify and write fractional parts of a set.
- Compare fractions of a whole and of a set.
- Identify fractions of a set of objects.
- Write fraction questions about a set of objects.
- Solve story problems involving fractions of a whole or a set.
- Evaluate their progress in learning about fractions.
- Partition rectangles into three or four equal parts.
- Demonstrate understanding that each fractional part of a rectangle is part of a whole.
- Describe equal parts of a whole using fraction vocabulary.







To the parents

By the end of this lesson the student should be able to:

- Identify equal and unequal parts of a whole.
- Use appropriate vocabulary to describe fractions.
- Investigate the attributes of halves, Quarters, and thirds.

Fractions

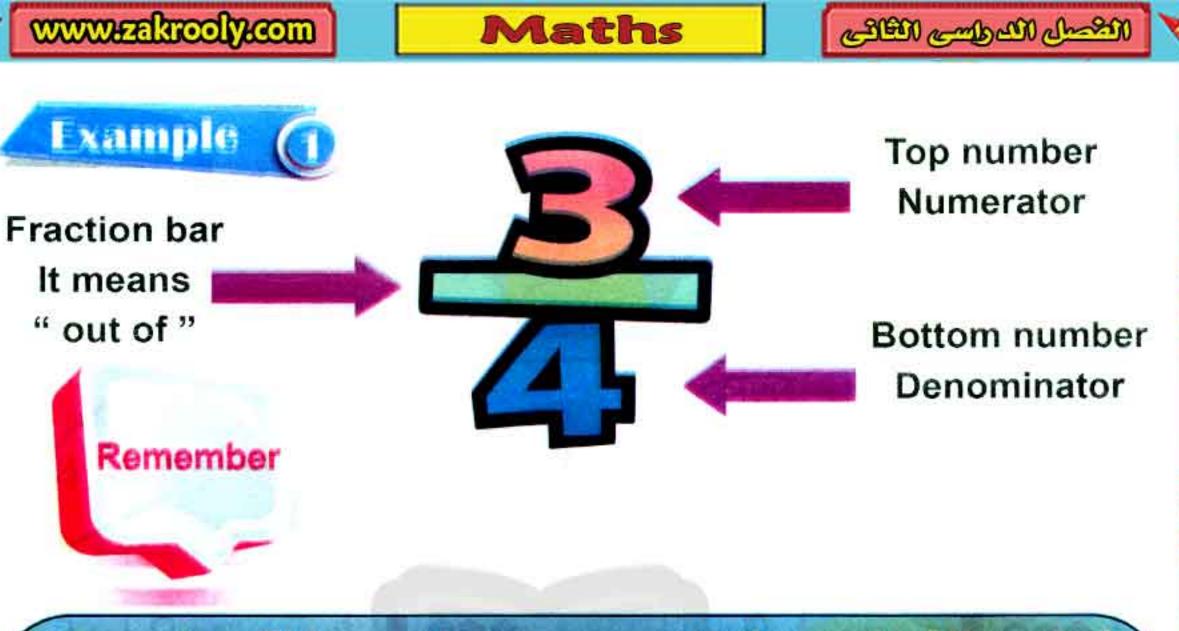
A fraction is a number that represents a whole number that has been divided into equal parts. For example, if you have a pie and you cut it into 4 equal slices, 1 of these slices is written as $\frac{1}{4}$, as shown here:

The shaded area represents 1 of the 4 slices of the pie. It is written as $\frac{1}{4}$.

A fraction simply tells us how many parts of a whole we have. You can recognize a fraction by the fraction bar that is written between the two numbers. We have a top number, the numerator, and a bottom number, the denominator. For example, $\frac{1}{2}$ is a fraction.

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Numerator: This number represents the part of the whole quantity that the fraction is being used to represent (colored parts).

Denominator: This number represents the whole quantity of something that the fraction is being used to represent "(total number) of equal parts".

 To help the student remember that the denominator is the

bottom number, tell him to remember that the "d" in "denominator" means "down."

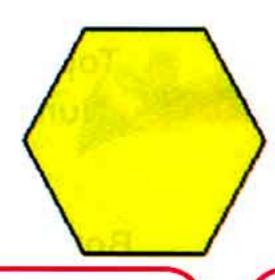
- we use fractions to illustrate parts of a whole.
- Discuss the fraction bar between the two numbers.
 Explain that this bar represents the term "out of" in a fraction. For example,

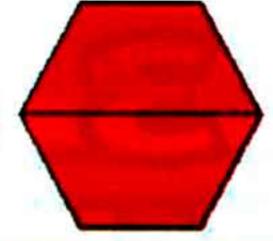
if the fraction $\frac{1}{2}$ were written out, it would read "one out of two."

If the yellow shape represents the whole, then the red part represents half.

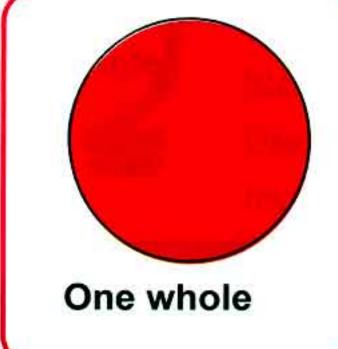
The following figure shows the relationship between half and a whole

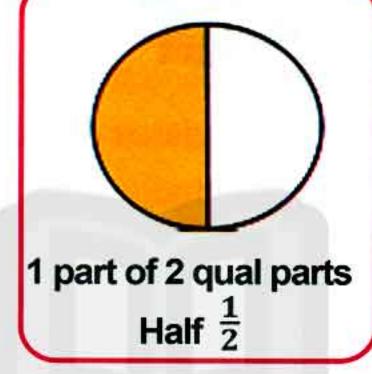


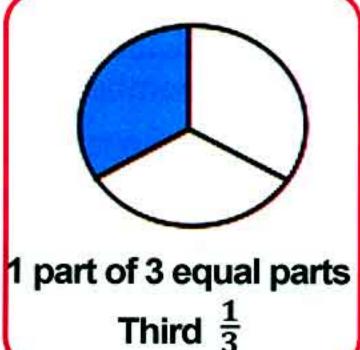




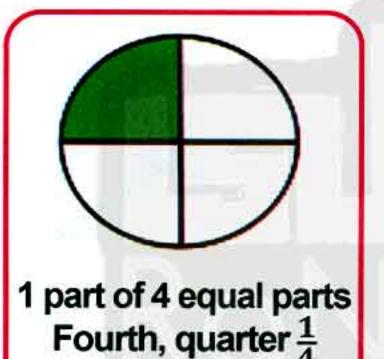


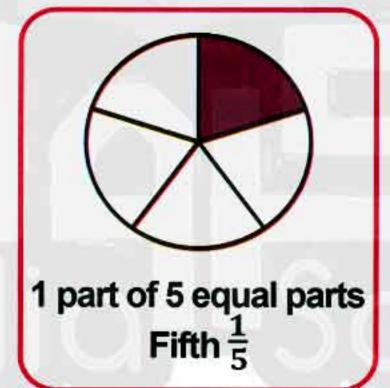


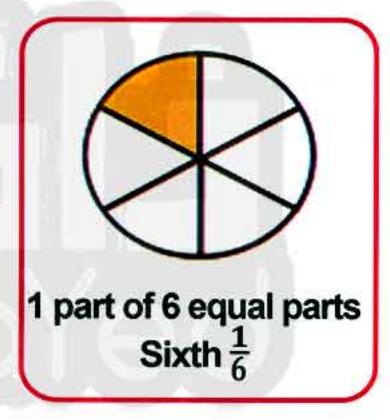


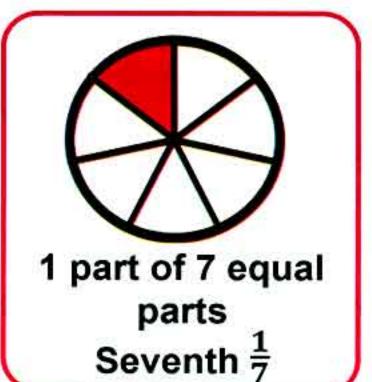


my

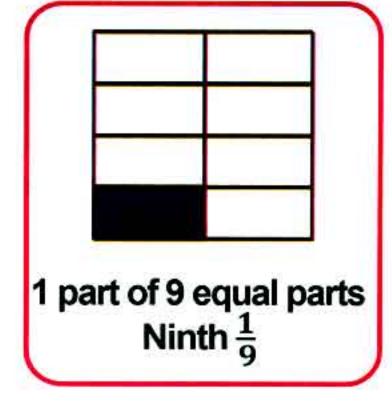








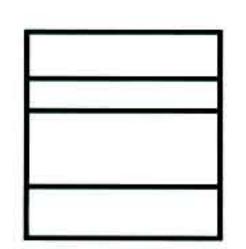




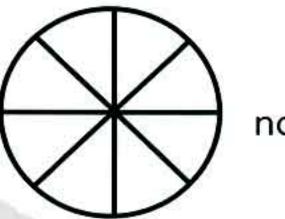


Exercise 1

Identify the equal parts:

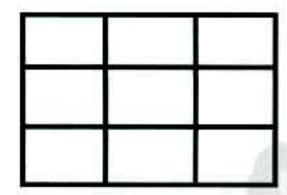


equal not equal 6.

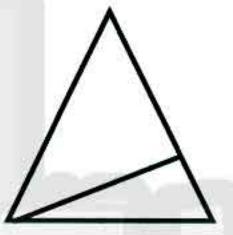


equal not equal

2.



equal not equal 7.



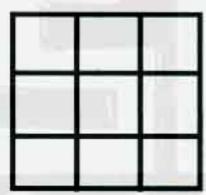
equal not equal

3.

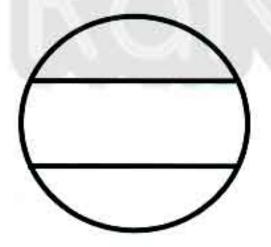


equal not equal

8.



equal not equal

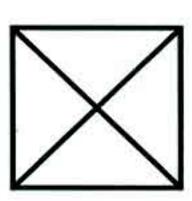


equal not equal 9.

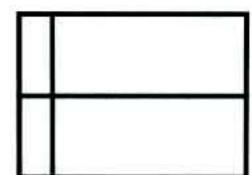


equal not equal

5.



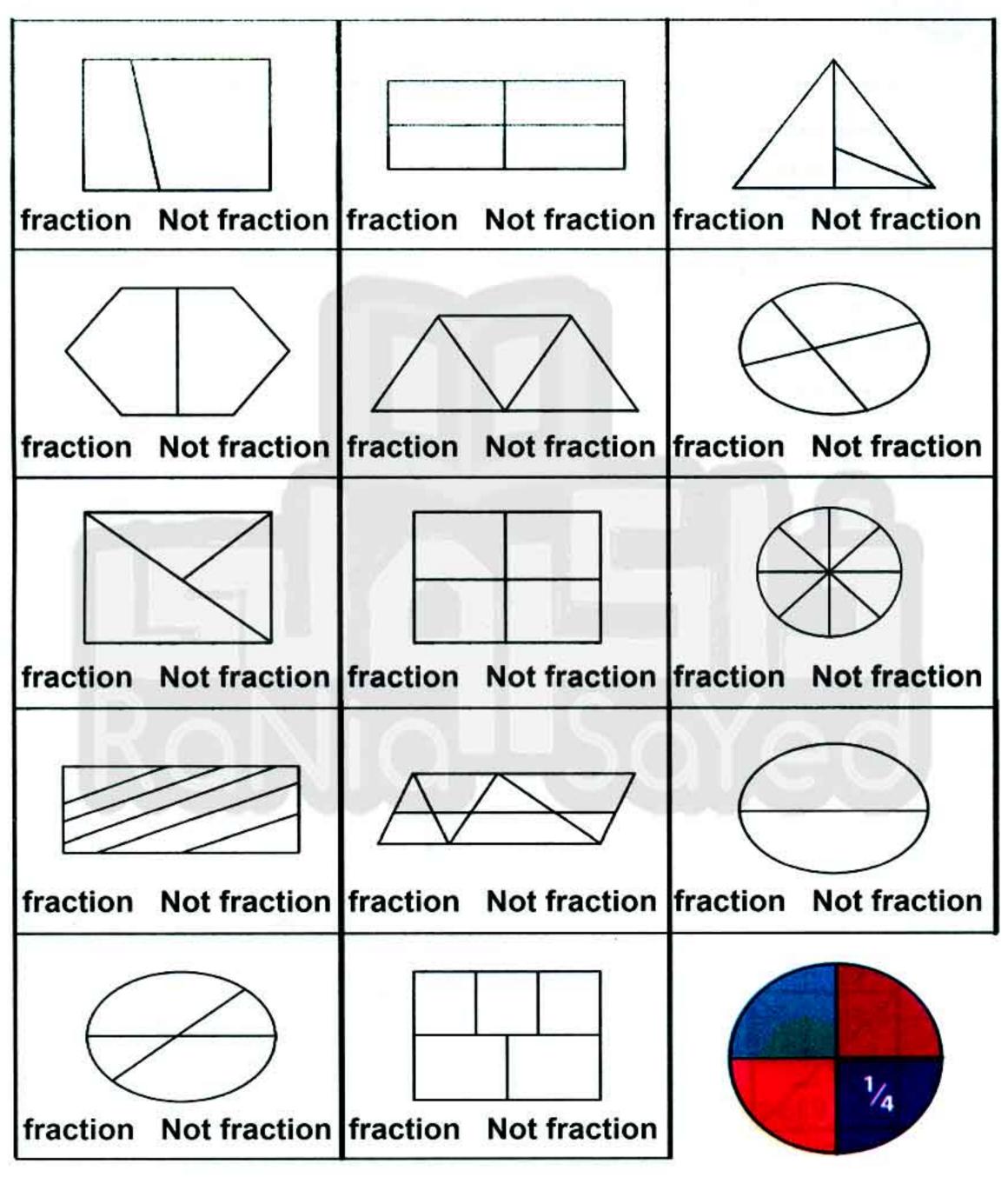
equal not equal 10.



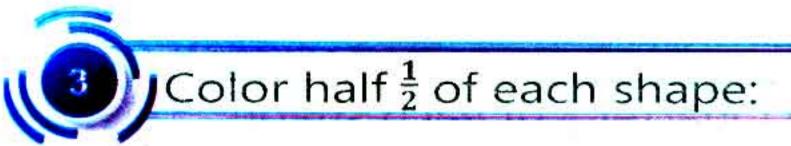
equal not equal



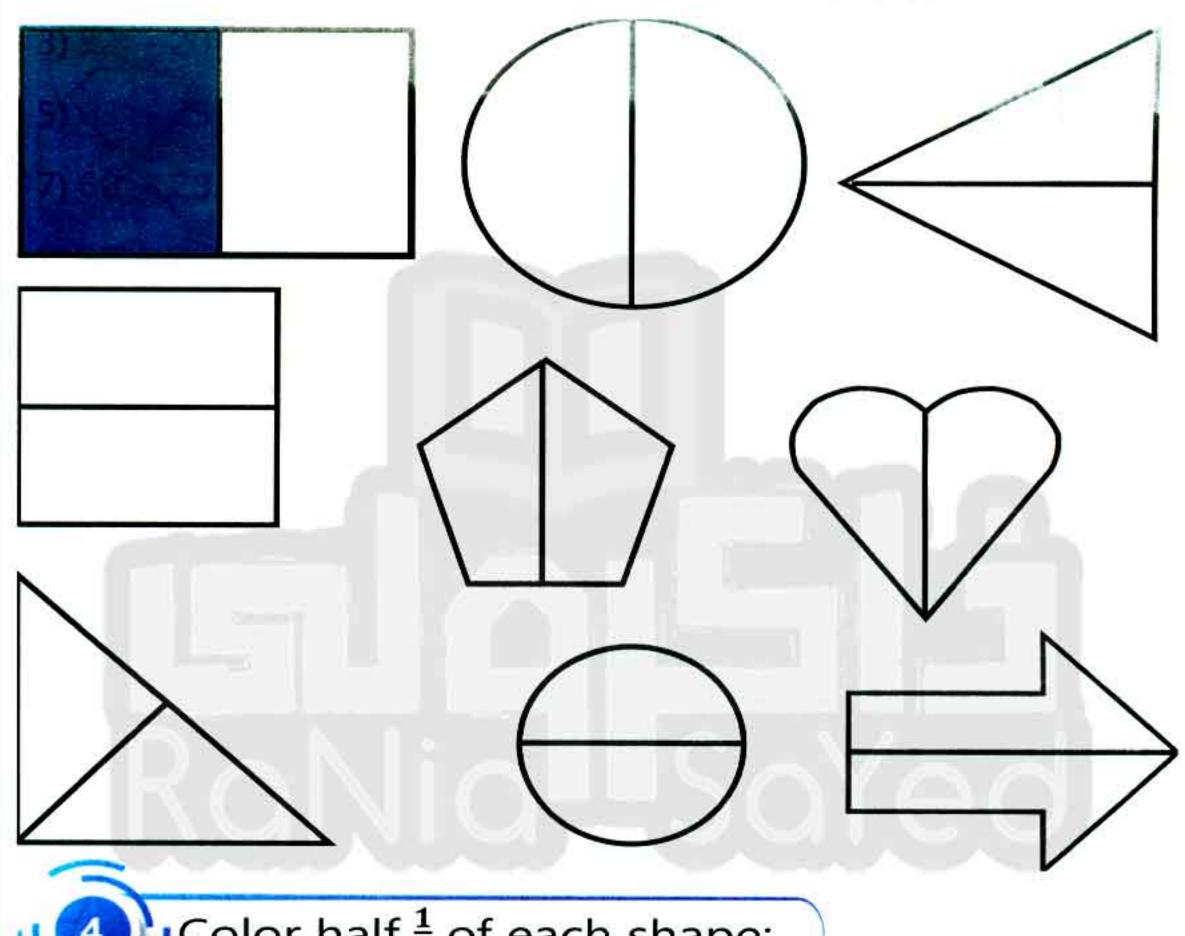
Identify the equal parts:

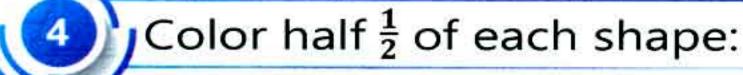


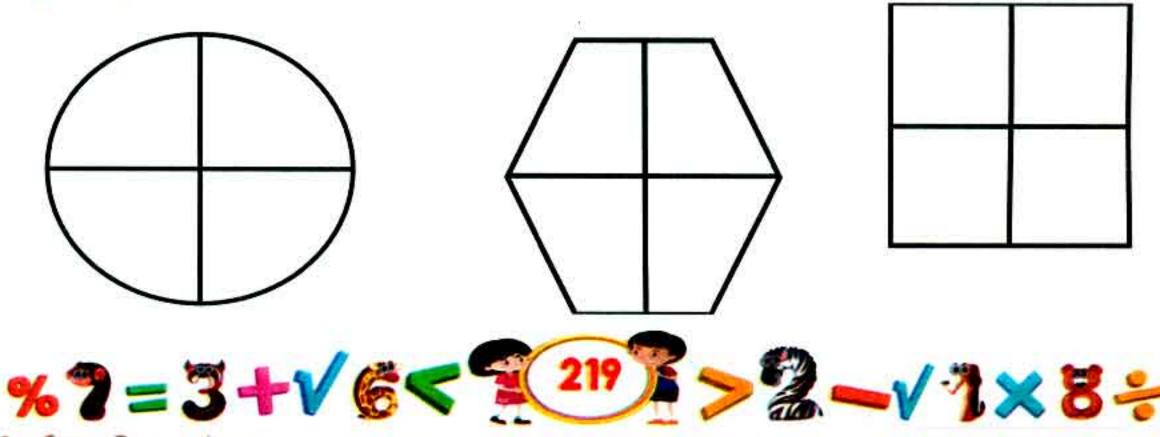




Can you color in one half of the following shapes: 1/2

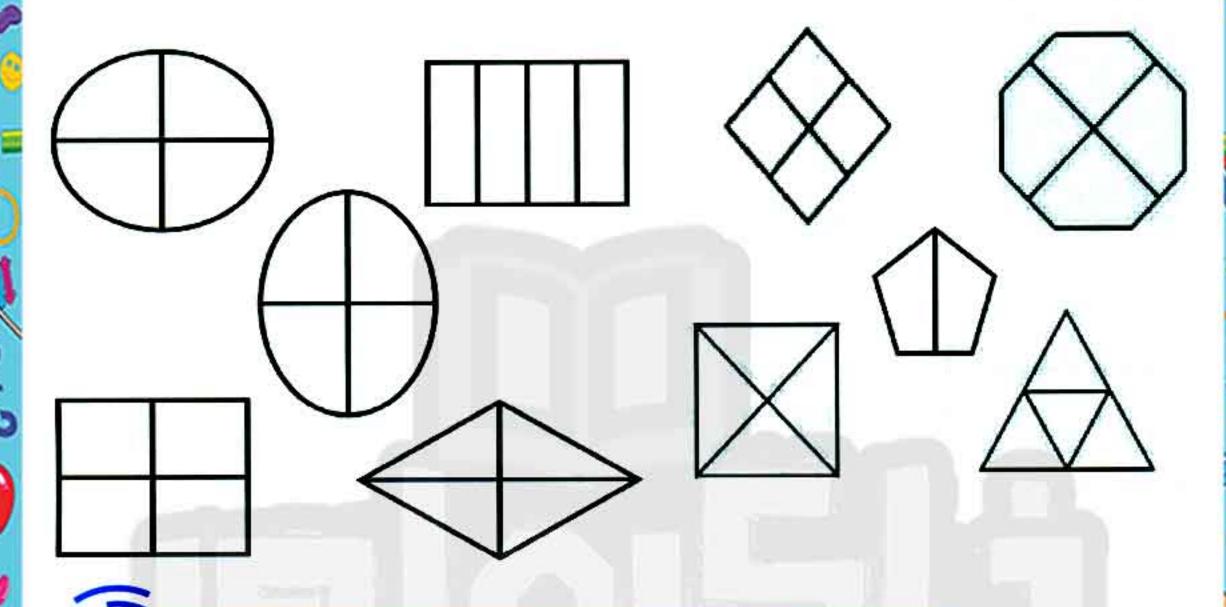




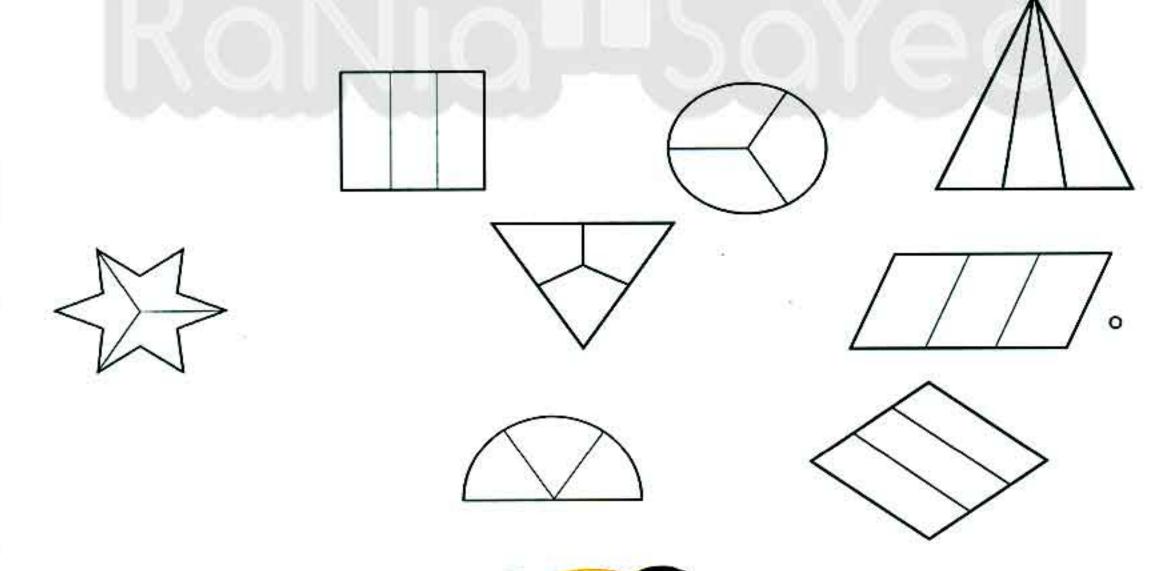




Can you color in one half of the following shapes: 1/2



Color one third $\frac{1}{3}$ of each shape:

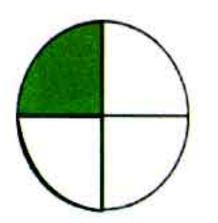


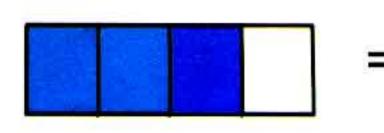


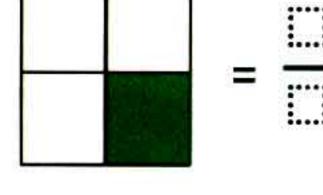


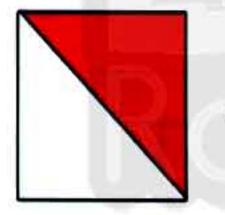


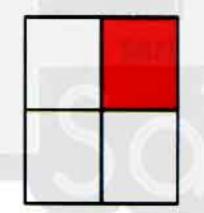
Write the fraction , what parts of the shapes below are shaded :

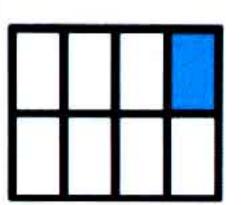


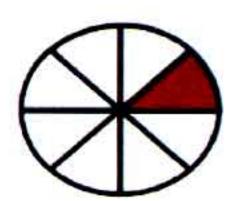


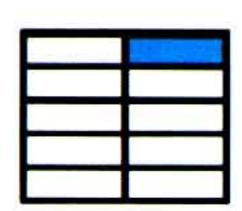


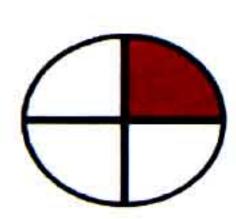








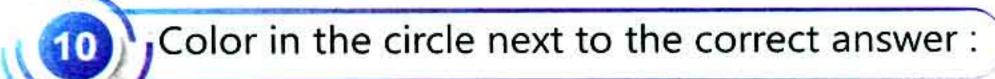


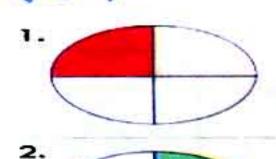




%7=3+V6< (222) >2.

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلقة المعل





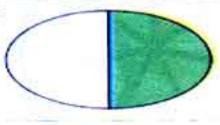
$$\circ \frac{1}{2}$$

$$0\frac{1}{2} \quad 0\frac{3}{4} \quad 0\frac{1}{4}$$

$$\circ \frac{1}{4}$$

$$\circ \frac{1}{3}$$



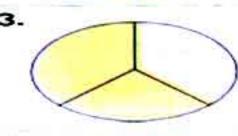


$$\circ \frac{2}{3}$$

$$0\frac{2}{3}$$
 $0\frac{2}{4}$ $0\frac{1}{4}$

$$\circ \frac{1}{2}$$



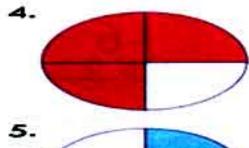


$$0\frac{3}{4}$$
 $0\frac{1}{2}$ $0\frac{2}{3}$

$$0\frac{1}{2}$$

$$\circ \frac{2}{3}$$

$$\circ \frac{1}{3}$$



$$\circ \frac{2}{4}$$

$$0\frac{2}{4}$$
 $0\frac{3}{4}$ $0\frac{1}{3}$

$$\circ \frac{1}{3}$$

$$0\frac{1}{4}$$

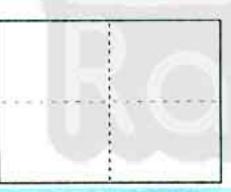
$$\circ \frac{3}{4}$$

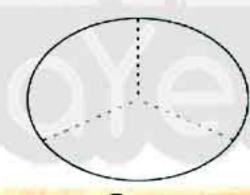
$$0\frac{3}{4}$$
 $0\frac{1}{3}$ $0\frac{2}{4}$

$$\circ \frac{2}{4}$$

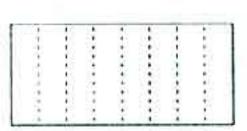


Color the shape according to the given fraction:



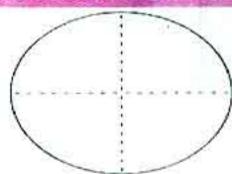


color $\frac{3}{4}$ of this square blue.



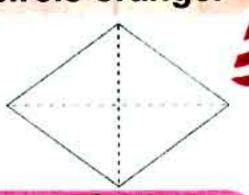
color $\frac{2}{9}$ of this rectangle green.

color $\frac{1}{2}$ of this rectangle purple.



color $\frac{2}{4}$ of this circle yellow.

color 2 of this circle orange.

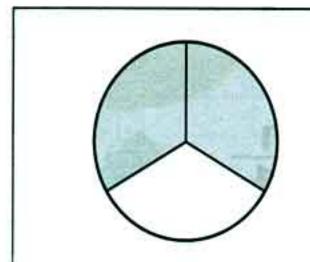


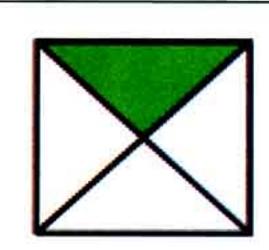
color $\frac{1}{4}$ of this diamond pink.

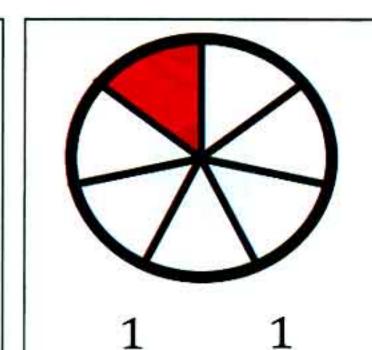


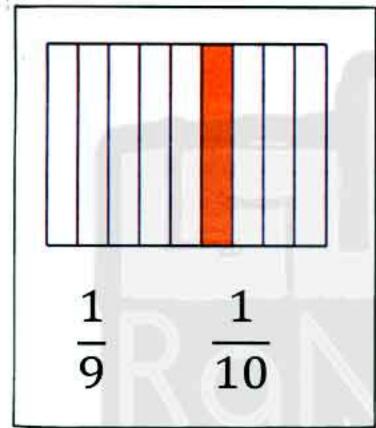


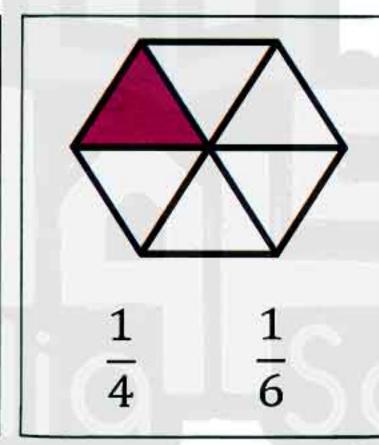
Circle the correct fraction in each of the following:

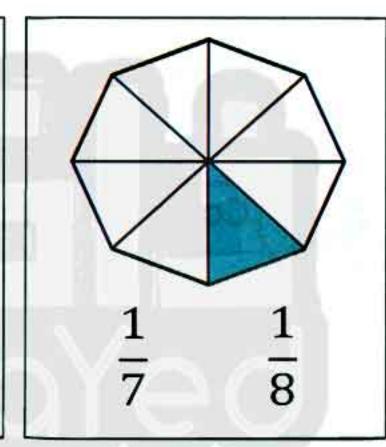


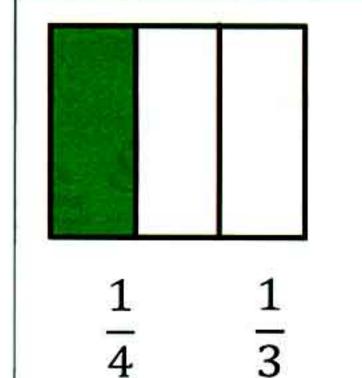


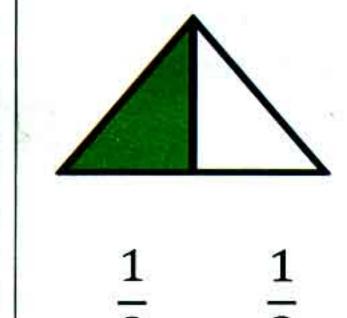


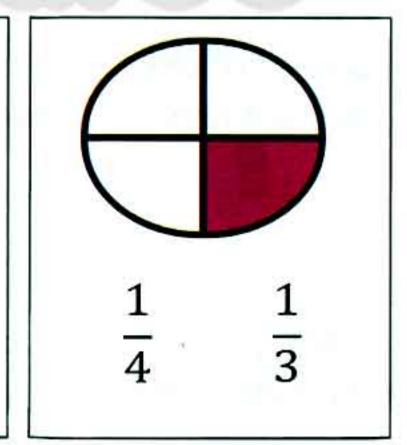














Fractions with a numerator greater than one



To the parents

By the end of this lesson the student should be able to:

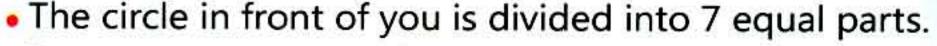
- Investigate fractions with a numerator greater than 1.
- Make connections between images of fractions and fraction names.
- Identify multiple ways to divide a rectangle into fractional parts.
- Create fractions using word or number clues.

Fractions



- A fraction is a number that can be used to describe a part of a whole.
- When a fraction describes a part of the whole, the whole must be divided into equal parts.

Example





4 out of 7 parts are colored.

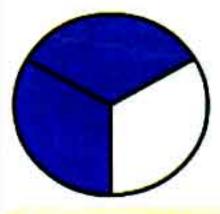
- So we can write the fraction as $\frac{4}{2}$ and the fraction name is four sevenths.
- So the numerator (colored part) is 4, the denominator (total number of equal parts) is 7

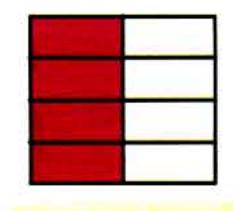


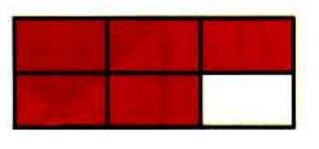
Numerator (colored part)

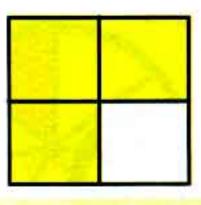
Denominator (Whole "total number of parts")

Let's read some fractions:





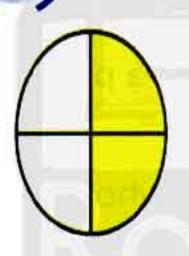


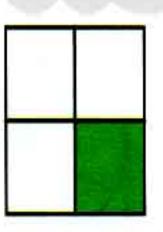


$$\frac{2}{3}$$
 Two third

Exercise 2

Circle the fraction that represents each shape:

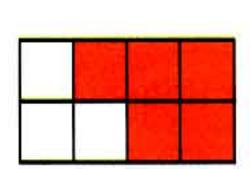




$$\frac{2}{4}$$

$$\frac{3}{4}$$

$$\frac{1}{4}$$

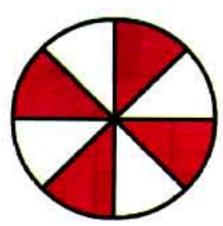




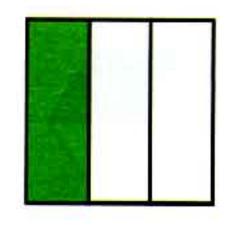




2 of the fol	2 indnessio	1
3	4	3

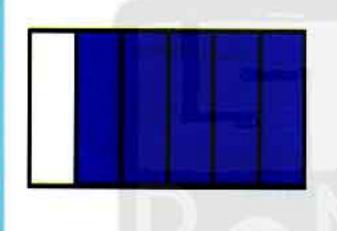


5	4	4
8	8	5

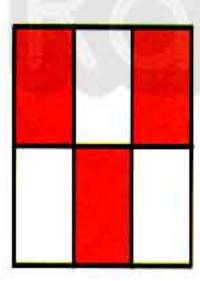


2+2-8

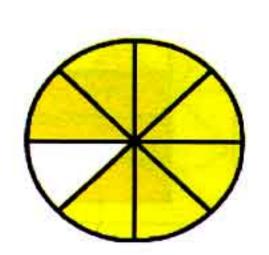
$$\frac{2}{3}$$
 $\frac{2}{4}$ $\frac{1}{3}$



$$\frac{2}{6}$$
 $\frac{5}{6}$ $\frac{4}{6}$



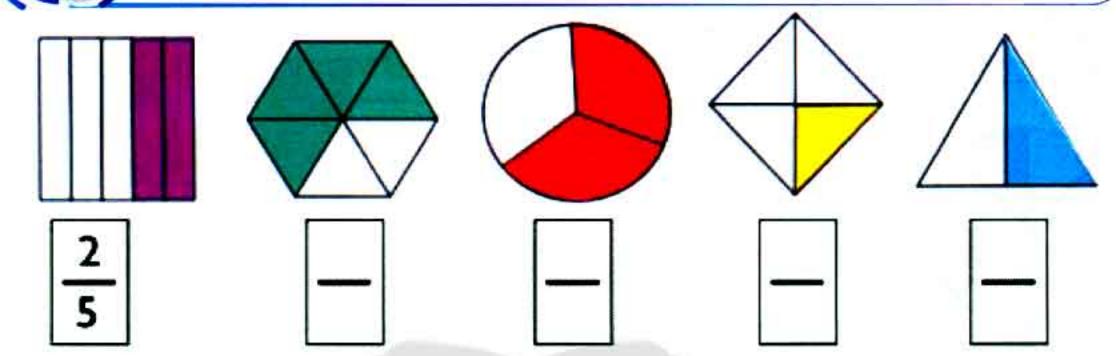
3	4	2
6	6	6

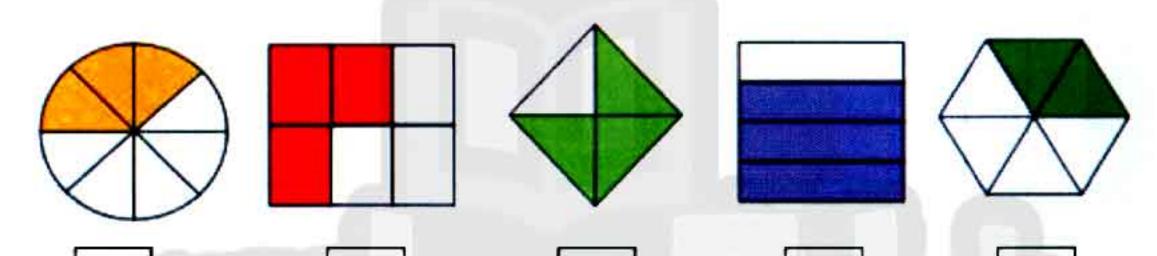


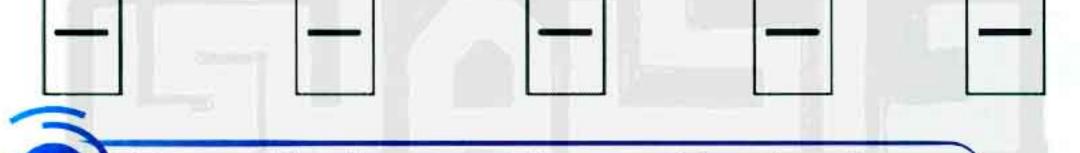
5	4	7
8	9	8



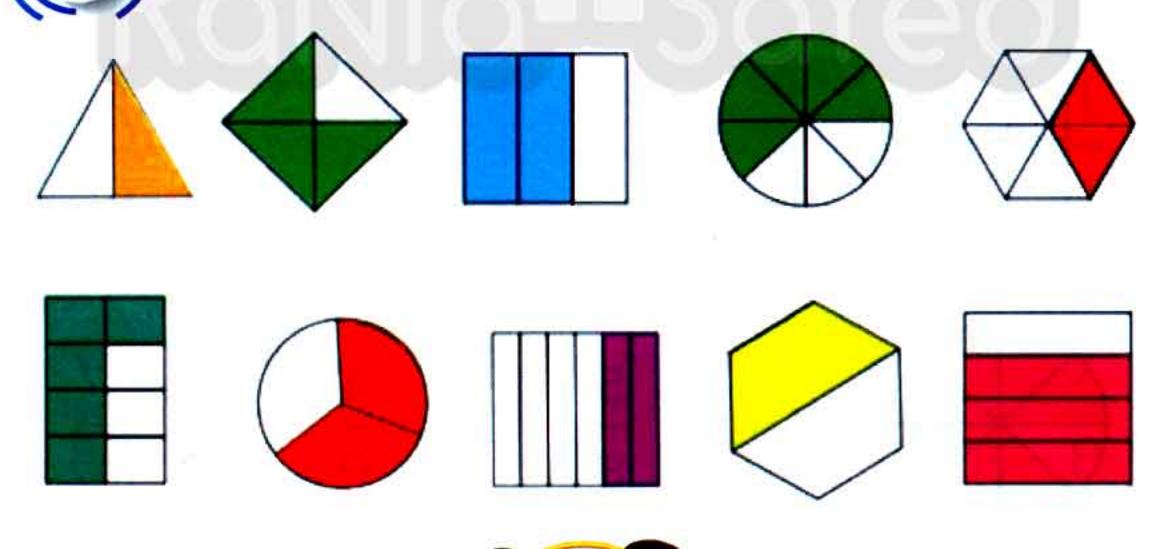
Write the fraction the shaded parts of each shape represent:







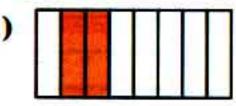
Draw a line between the matching fractions:

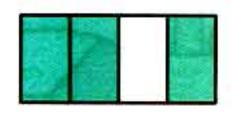


%7=3+V 6 5 = -V 1×8+

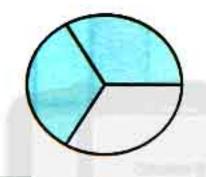


Write the fraction and the fraction name of the colored part in each of the following:

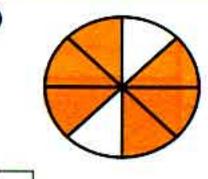




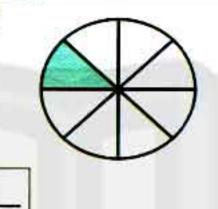
7)



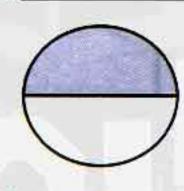
2)



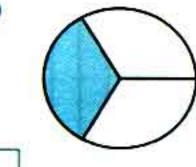
5)



8)



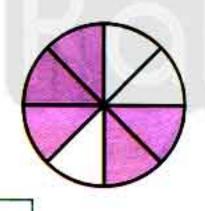
3)



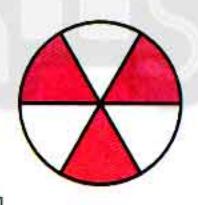




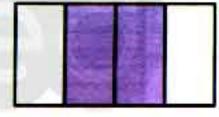
10)



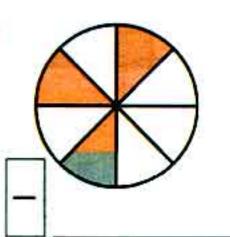
11)



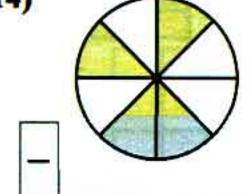
12)



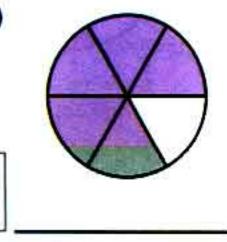
13)



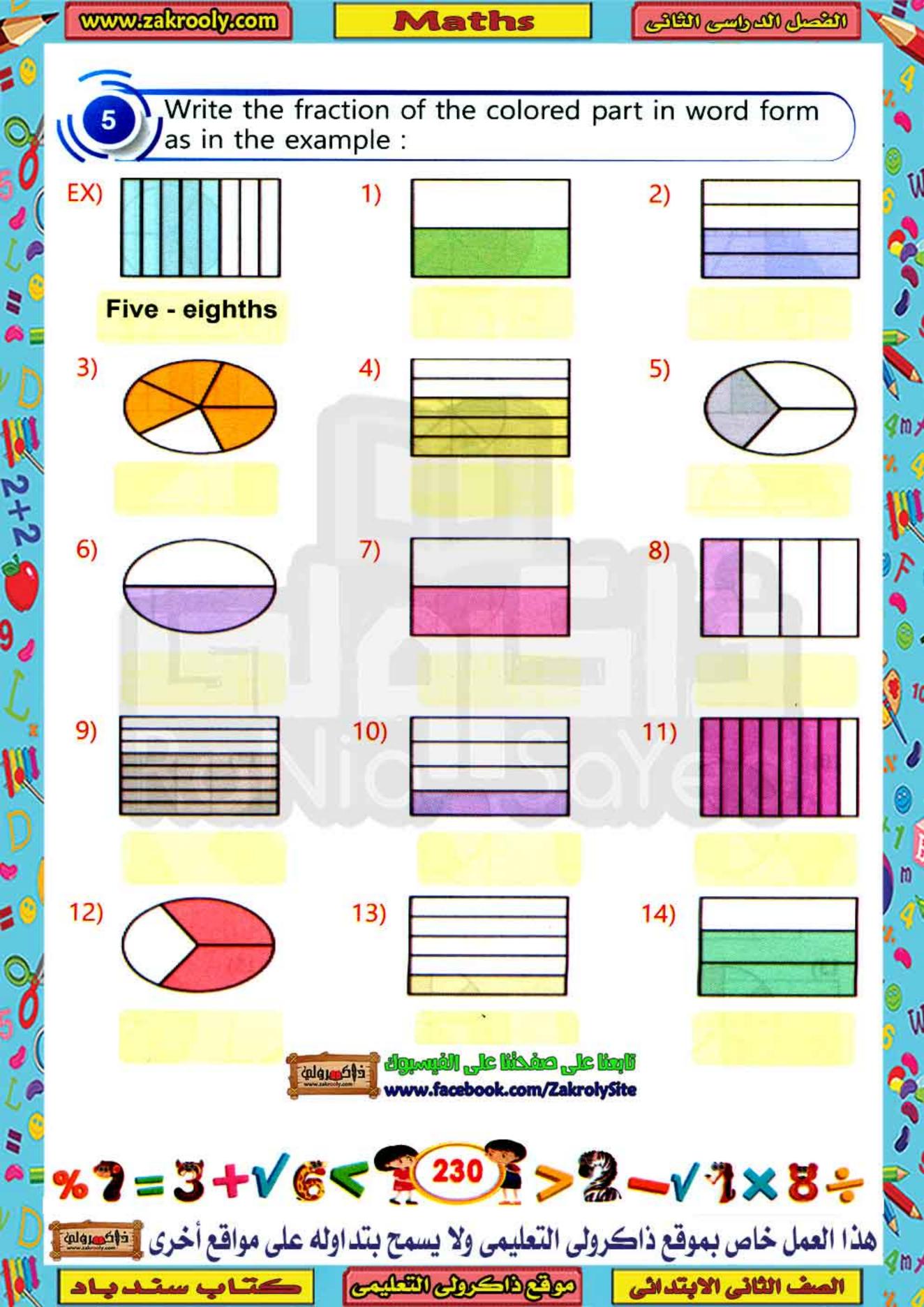
14)



15)



%7=3+V6< \$\frac{229}{229} >2-\frac{7}{7}





Color the shape to show the fraction:

1)

2)

3)

4)

5)

$$\frac{4}{4} = \bigcirc$$

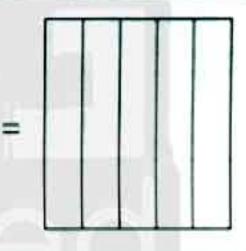
6)

7)

8)

$$\frac{2}{3} =$$

9)



10)

$$\frac{1}{2} =$$

11

12



13)

4

15



%9















Write in fractional form:

Numerator	Denominator	Fraction
5	6	
3	5	
7	11	
1	2	
8	13	
4	7	

Identify the numerator and the denominator:

fraction	Numerator	Denominator
<u>2</u>		
<u>5</u>		
<u>1</u>		
7 8	53	
<u>8</u> 11		
<u>4</u> 9		





Choose the fraction that represent the shaded part :

1)	$\frac{1}{2}$	<u>3</u>	$\left(\frac{5}{6}\right)$	<u>1</u>	<u>6</u> 5	
2)	<u>1</u>	$\frac{3}{4}$	$\frac{1}{6}$	$\frac{1}{3}$	<u>1</u> 5	
3)	$\frac{1}{2}$	<u>3</u>	$\frac{1}{6}$	<u>1</u>	<u>6</u> 8	
4)	1 3	<u>3</u>	$\frac{1}{2}$	<u>1</u> 5	1/4	
5)	4 6	<u>5</u>	<u>4</u> 5	<u>1</u>	<u>3</u>	
6)	$\frac{1}{3}$	1 4	1/2	<u>1</u> 5	<u>2</u>	
7)	$\frac{1}{2}$	<u>3</u>	<u>5</u>	<u>1</u>	<u>4</u> 3	
8)	<u>1</u>	$\frac{2}{3}$	<u>3</u>	<u>1</u>	<u>2</u> 5	
9)	<u>3</u>	<u>3</u>	<u>5</u>	4 6	<u>4</u> 5	





Equivalent fractions

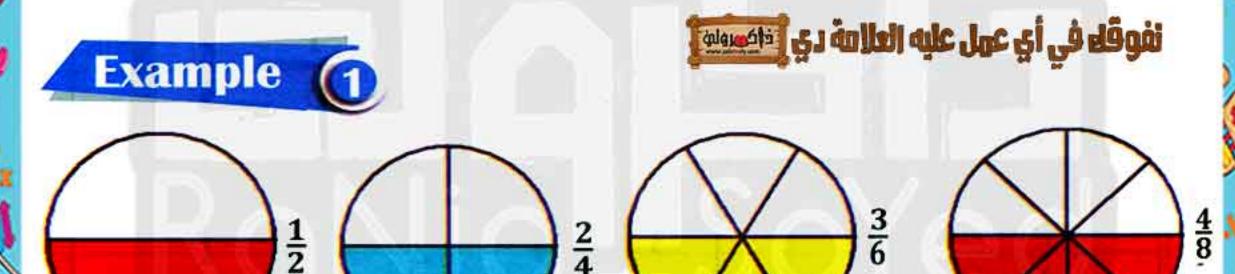
To the parents

By the end of this lesson the student should be able to:

Name all fractional parts for halves, thirds, and Quarters.

Equivalent fractions

Equivalent fractions can be defined as fractions with different numerators and denominators that represent the same value or part of a whole.



Those fractions have different numerators and different denominators but if you look at each model you will find that they all have the same value which is half.

So, that means $\frac{1}{2}$ is the same as $\frac{2}{4}$ is the same as $\frac{3}{6}$ is the same as $\frac{4}{8}$



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق

كتاب سندباد

مرقع والكري التعليمي

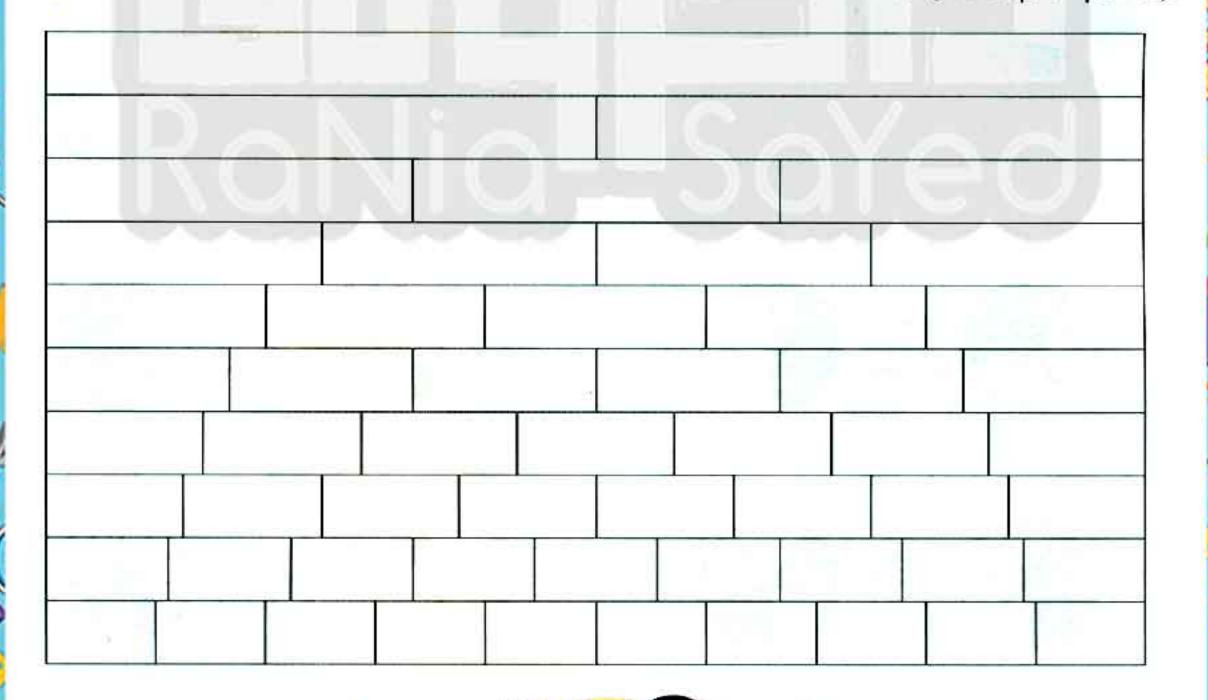
الصف الثاني الابتدائي





Answer the following questions:

- 1. Write "One Whole (1)" on the top bar. Color this bar red.
- Find and label the halves. Color the halves bars green (2 equal parts).
- 3. Find and label the thirds. Color the thirds bars yellow (3 equal parts).
- Find and label the fourths. Color the fourths bars blue (4 equal parts).
- Find and label the fifths. Color the fifths bars orange (5 equal parts).
- Find and label the sixths. Color the sixths bars pink (6 equal parts).
- Find and label the seventh. Color the sevenths bars brown (7 equal parts).
- Find and label the eighths. Color the eighths bars gray (8 equal parts).
- Find and label the ninth. Color the ninths bars purple (9 equal parts).
- Find and label the tenths. Color the tenths bars white (10 equal parts).



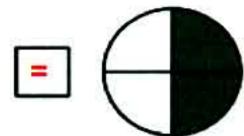




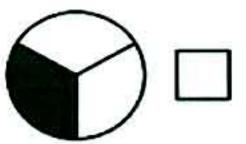
Write the correct symbol in each of the following (= or ≠)



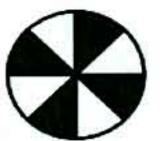






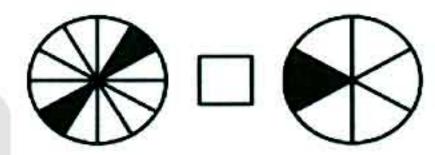




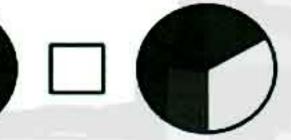


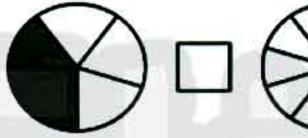






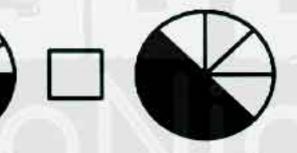


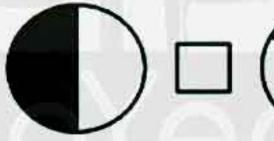












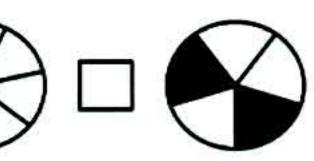




































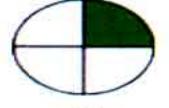






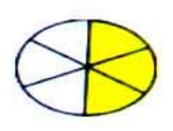
Write the fraction of each equivalent fraction:

1)

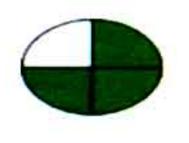


=

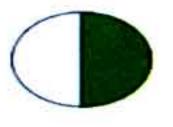
2)



3)

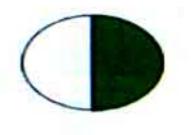


4)

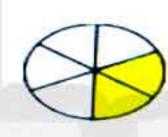


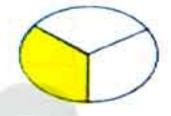


5)



6)



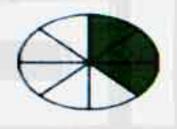


7)

ړ9



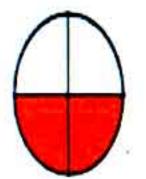
8)





4

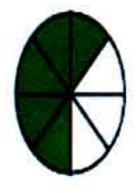
Circle the three fractions below that are equal:



2/4



 $\frac{4}{6}$



<u>5</u> 8



<u>3</u>

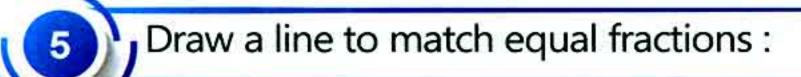


 $\frac{2}{3}$



<u>6</u>





1.

A. _____

2.

В.

3.

5.

D. E.

6.

F.

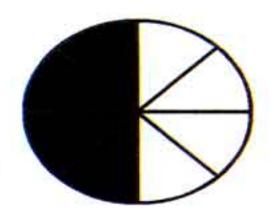
Shade the second model exactly the same as the first one and determine the equivalent fraction:

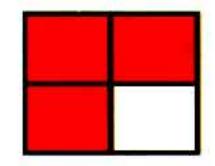
- 1. ———
- 2. ———
- $\frac{3}{2} = \frac{1}{2}$
- $4. \qquad -=-$
- 5. ———

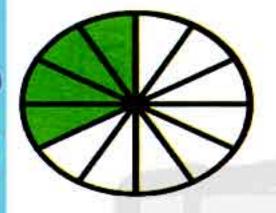


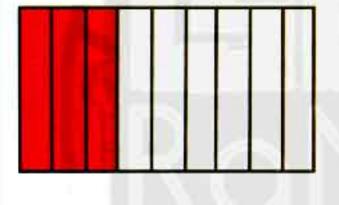


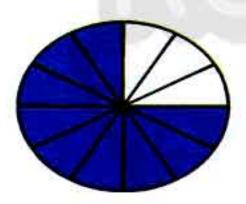
Match each fraction or equal fraction with its name:

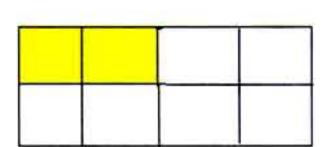


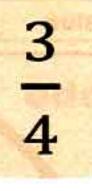


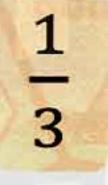






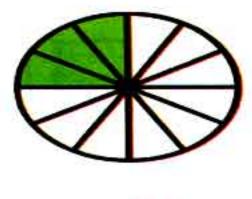


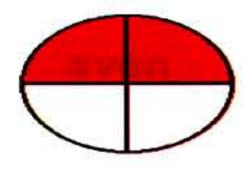


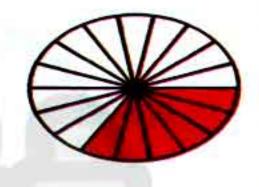


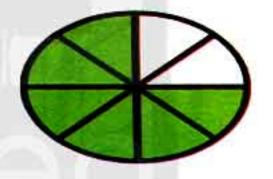


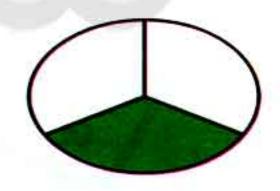


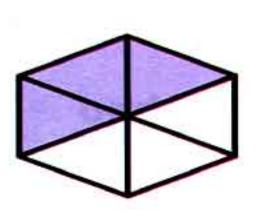






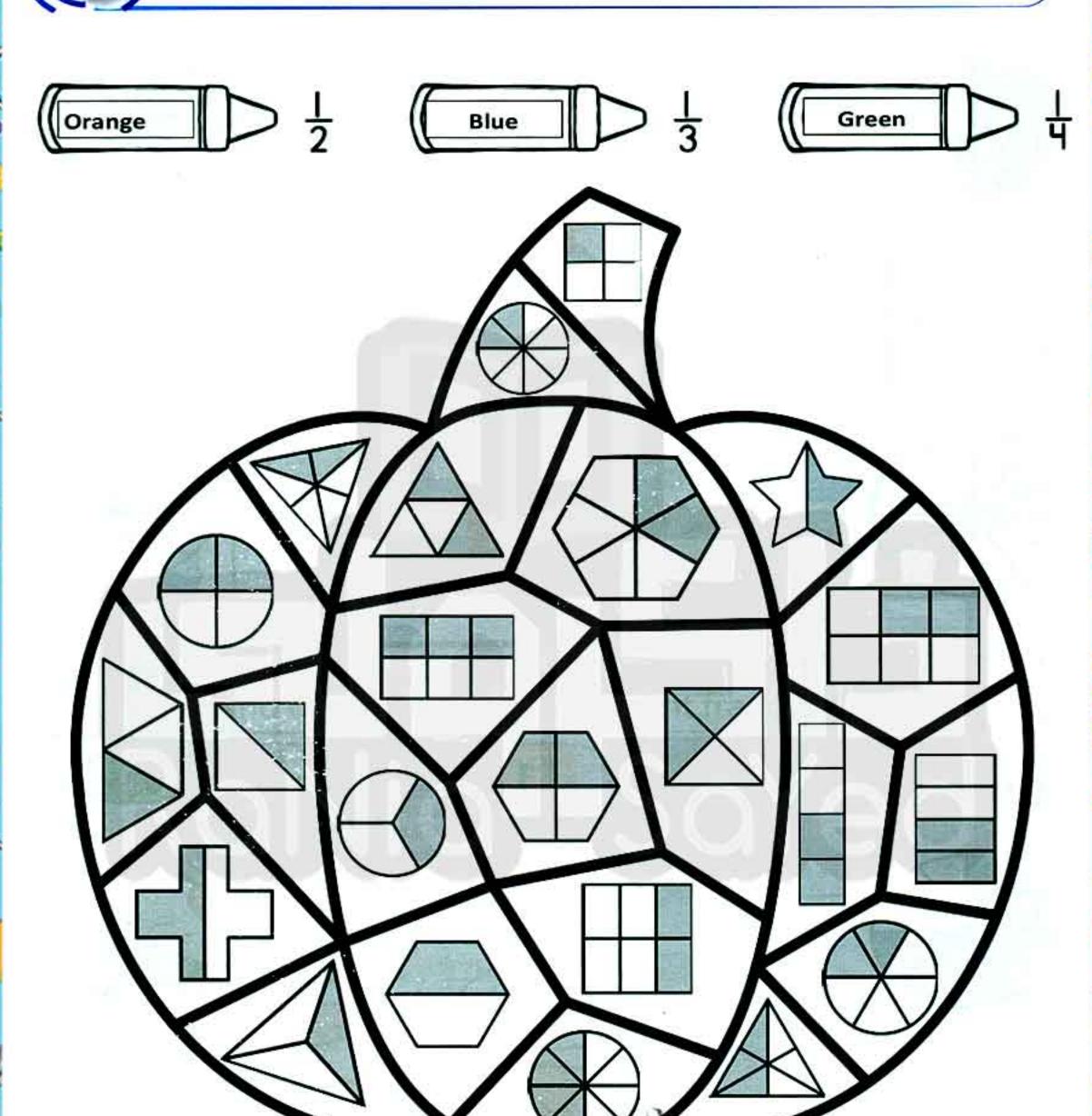








Find the shaded fraction or equivalent fraction in each section, use the color code to color each







Odd & Even numbers



Choose the correct answer:

33

odd

even

odd

even

0

odd

even

58

even

odd

odd

even

odd

55

70 even

61

odd

even

odd

even

odd 87

even

even

odd

even

odd

odd

82

even

odd

even

odd

even

odd

even

%7=3+V6< (241)











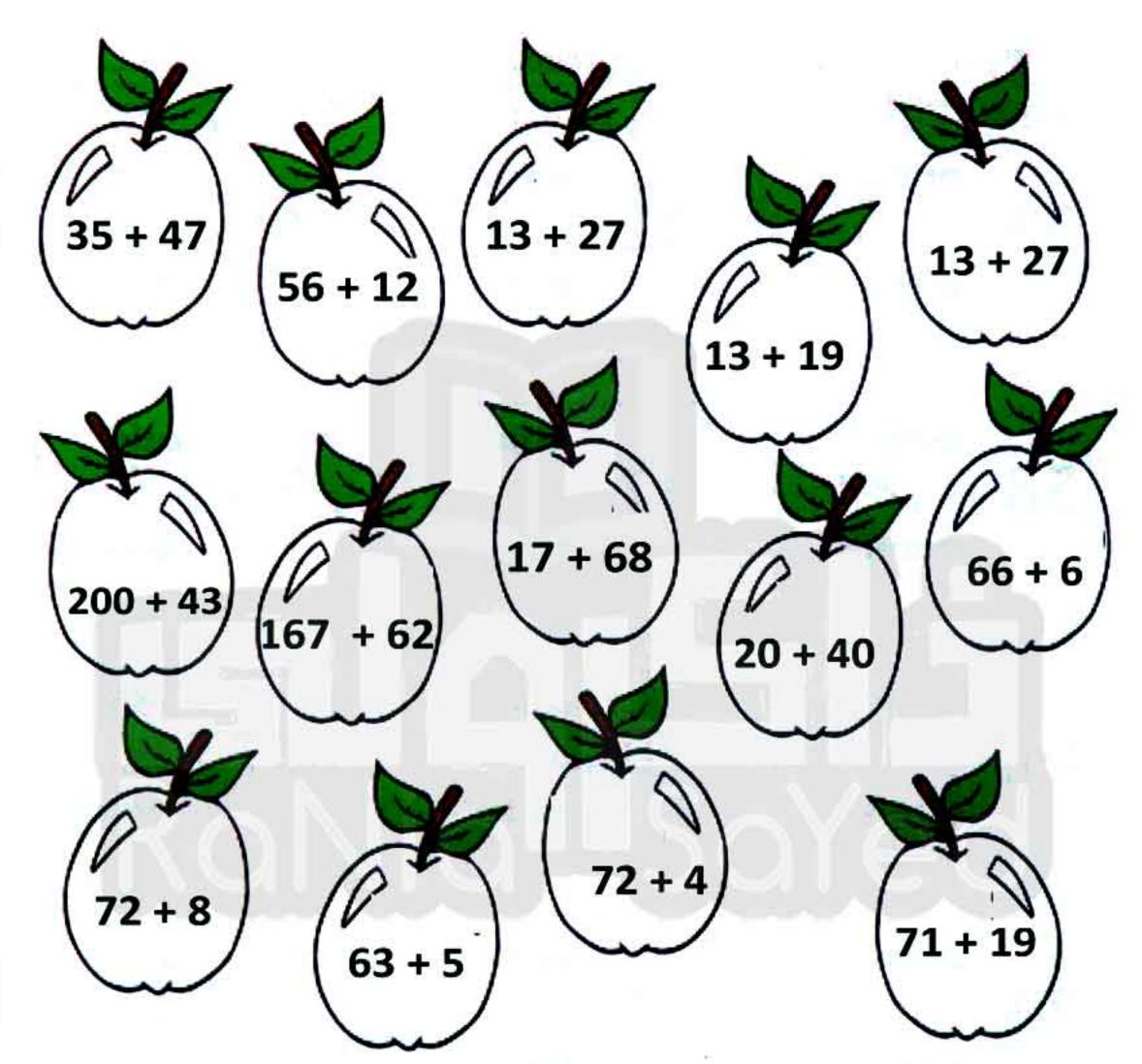




هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم

المث الثاني الابتدائي (مركع الكريل الكييي) كتاب سند باد

Complete the sums in the apples. If the answer is even color the apple red. If the answer is even color the apple red:



How many apples are green?

How many apples are red?



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى المعلقة المعلقة



The fraction as a part of a set



By the end of this lesson the student should be able to:

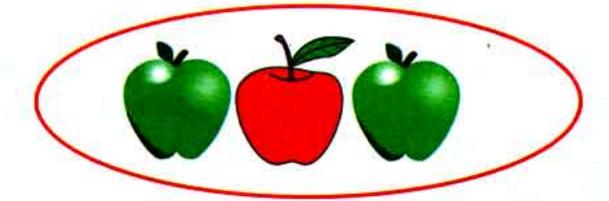


- Identify and write fractional parts of a set.
- Compare fractions of a whole and of a set.
- Identify fractions of a set of objects.
- Write fraction questions about a set of objects.

Notice the fraction according to the red apple

Example (1)

- Look at the apples, one of them is red, and the rest are green
- Notice the fraction according to the red apples
- And now circle all the apples (denominator) = 3



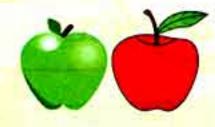
- The different apple (red)represent the numerator = 1
- So what is the fraction of the red apple \frac{1}{3}



Numerator (the number of red apples) Denominator (Whole total number of apples)

Notice the fraction according to the red apples

Write the fraction that represents the number of red apples from the total number of apples.



Numerator (red apples) 1/2 Half
Denominator (all apples) 2

Write the fraction that represents the number of red apples from the total number of apples.



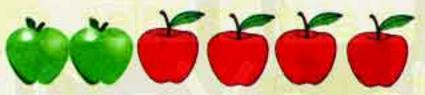
Numerator (red apples) 2 Denominator (all apples) 5 Two-fifths

Write the fraction that represents the number of red apples from the total number of apples.



Numerator (red apples) 3 Three – sevenths

Write the fraction that represents the number of red apples from the total number of apples.



Numerator (red apples) 4
Denominator (all apples) 6
Four-sixths

Write the fraction that represents the number of red apples from the total number of apples.



Numerator (red apples) $\frac{1}{7}$ one – sevenths

Write the fraction that represents the number of red apples from the total number of apples .



Numerator (red apples) 5 Pive-eighths



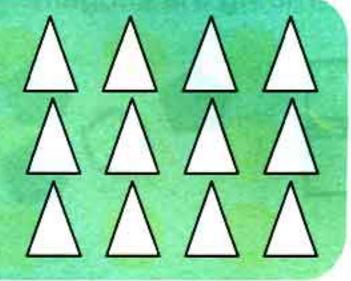




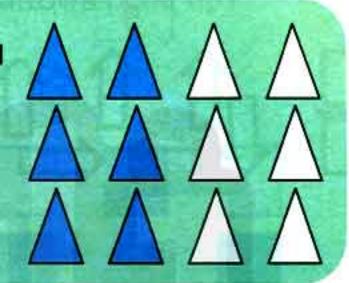




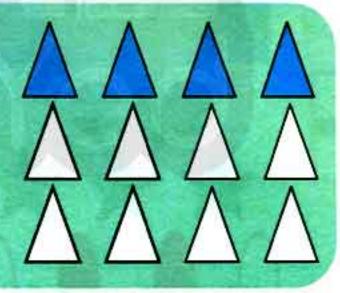
In the opposite figure there are 12 Triangles



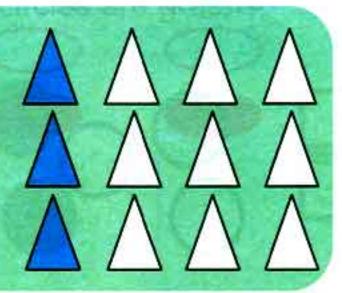
If you want to color $\frac{1}{2}$ of these Triangles, you will color 6 Triangles of these 12 Triangles.



If you want to color $\frac{1}{3}$ of these Triangles, you will color 4 Triangles of these 12 Triangles.



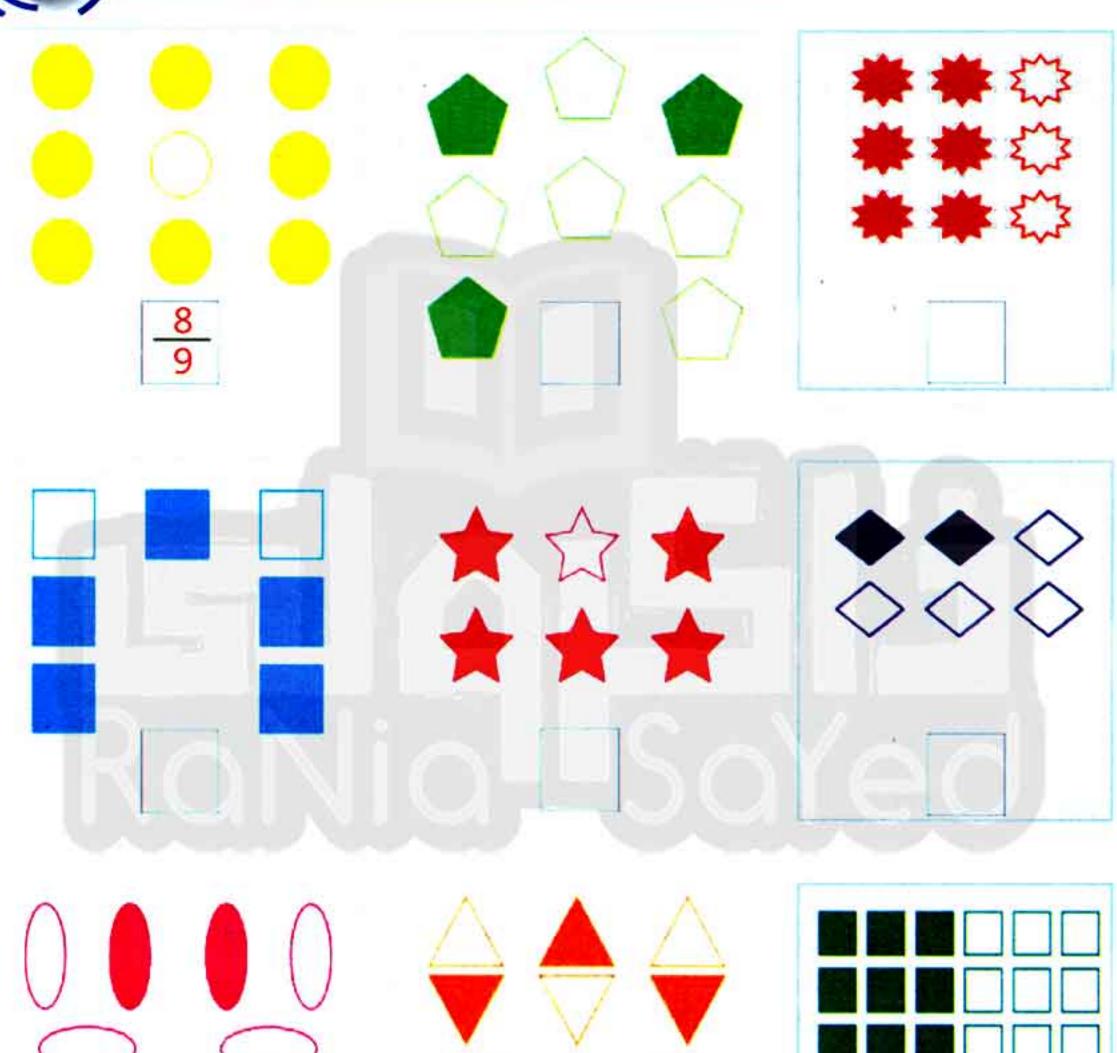
If you want to color $\frac{1}{4}$ of these Triangles, you will color 3 Triangles of these 12 Triangles.





Exercise 4

What fraction of each set is colored:









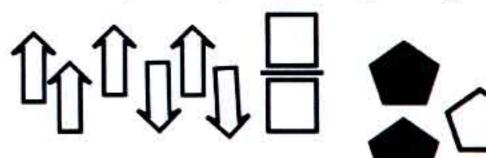
Write the fraction of each shape:

What fraction of the squares are white?

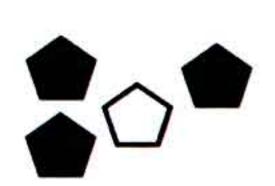




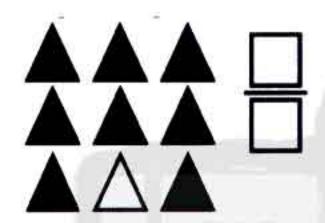
What fraction of the arrows point up?



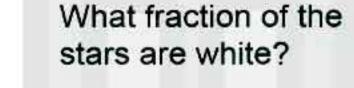
What fraction of the pentagons are green?



What fraction of the triangles are green?

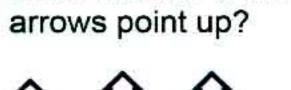


What fraction of the circles are green?

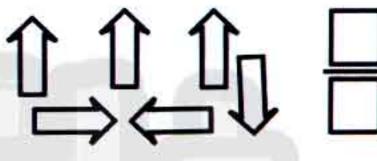




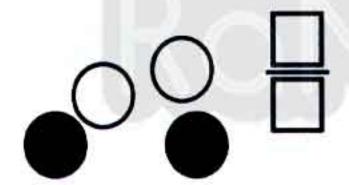
What fraction of the stars are green?



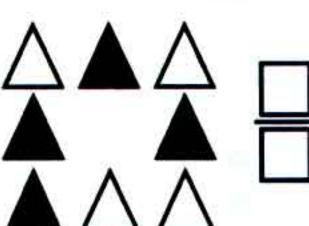
What fraction of the



What fraction of the squares are green?



What fraction of the triangles are green?

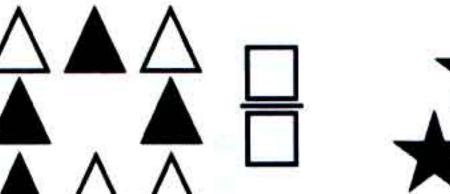




What fraction of the stars are white?

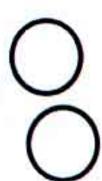


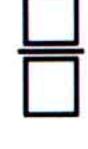
What fraction of the circles are green?





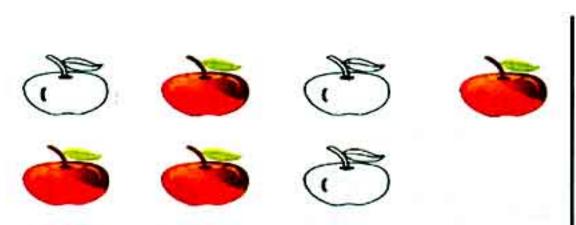






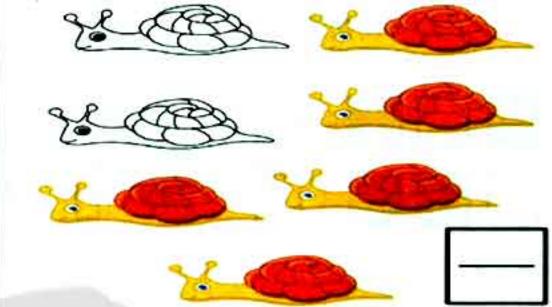


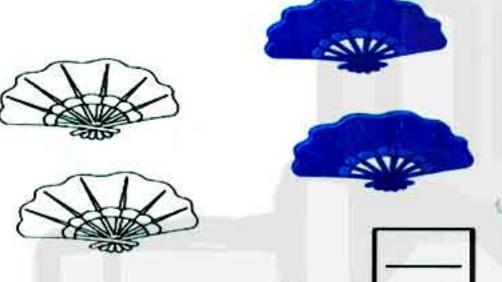
Write the fraction that shows what part of each set is colored:

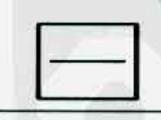


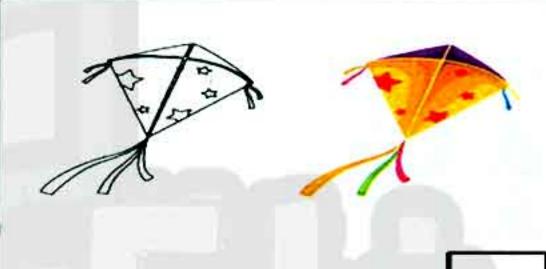










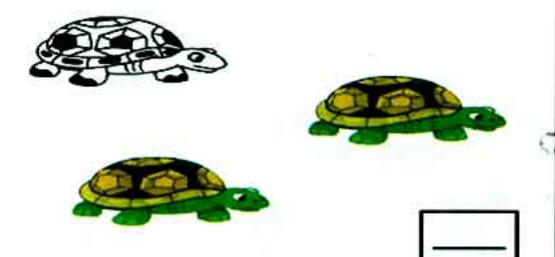














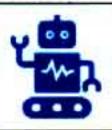




Circle the correct fraction in each of the following:









What fraction of the toys are cars?

 $\frac{1}{4}$ $\frac{1}{3}$ $\frac{3}{4}$

What fraction of the toys are robots?



What fraction of the above are scissors?

What fraction of the above are pencils?



What fraction of the families have two kids?

What fraction of the families have: one kid?



What fraction of the days are sunny?

What fraction of the days are cloudy?



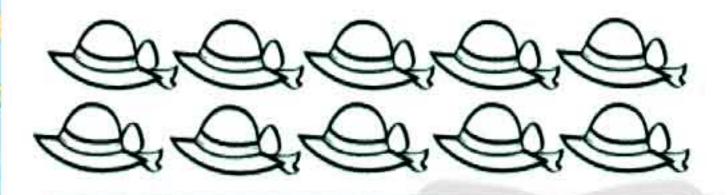




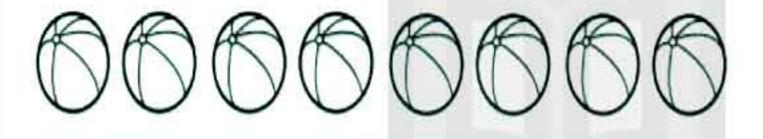




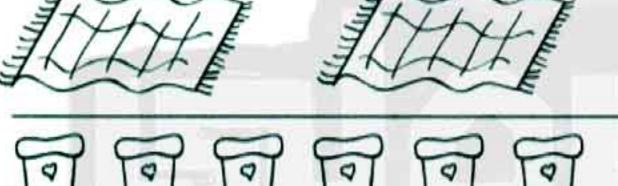
Color $\frac{1}{4}$



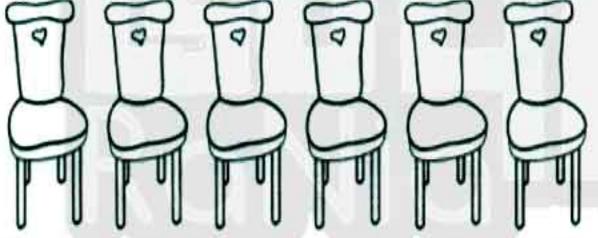
Color $\frac{3}{10}$



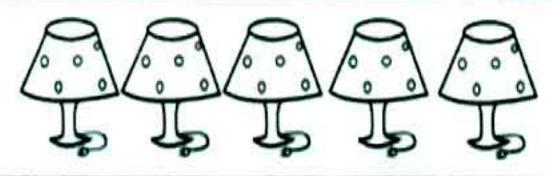
Color $\frac{5}{8}$



Color



Color



Color

Color $\frac{6}{14}$





Circle the correct fraction in each of the following:

1) Help frazer the fraction Salamander to spot the fractions.



How many butterflies are orange? out of What fraction of the butterflies are orange?

How many butterflies are blue? out of ______
What fraction of the butterflies are blue? _____

How many butterflies are white? out of What fraction of the butterflies are white?

2) Help frazer the fraction Salamander to spot the fractions.



What fraction of the creatures are clown fish?

What fraction of the creatures are seahorses?

What fraction of thecreatures are starfish?

Another clown fish comes along to join the group.

What are the new fractions of each type of creature?

Fraction of clown fish — Fraction of sehorses — Fraction of starfish —





Answer the questions with fractions:



- 1. What fraction of the kids are boys?
- 2. What fraction of the kids have glasses?
- 3. What fraction of the kids are smiling?

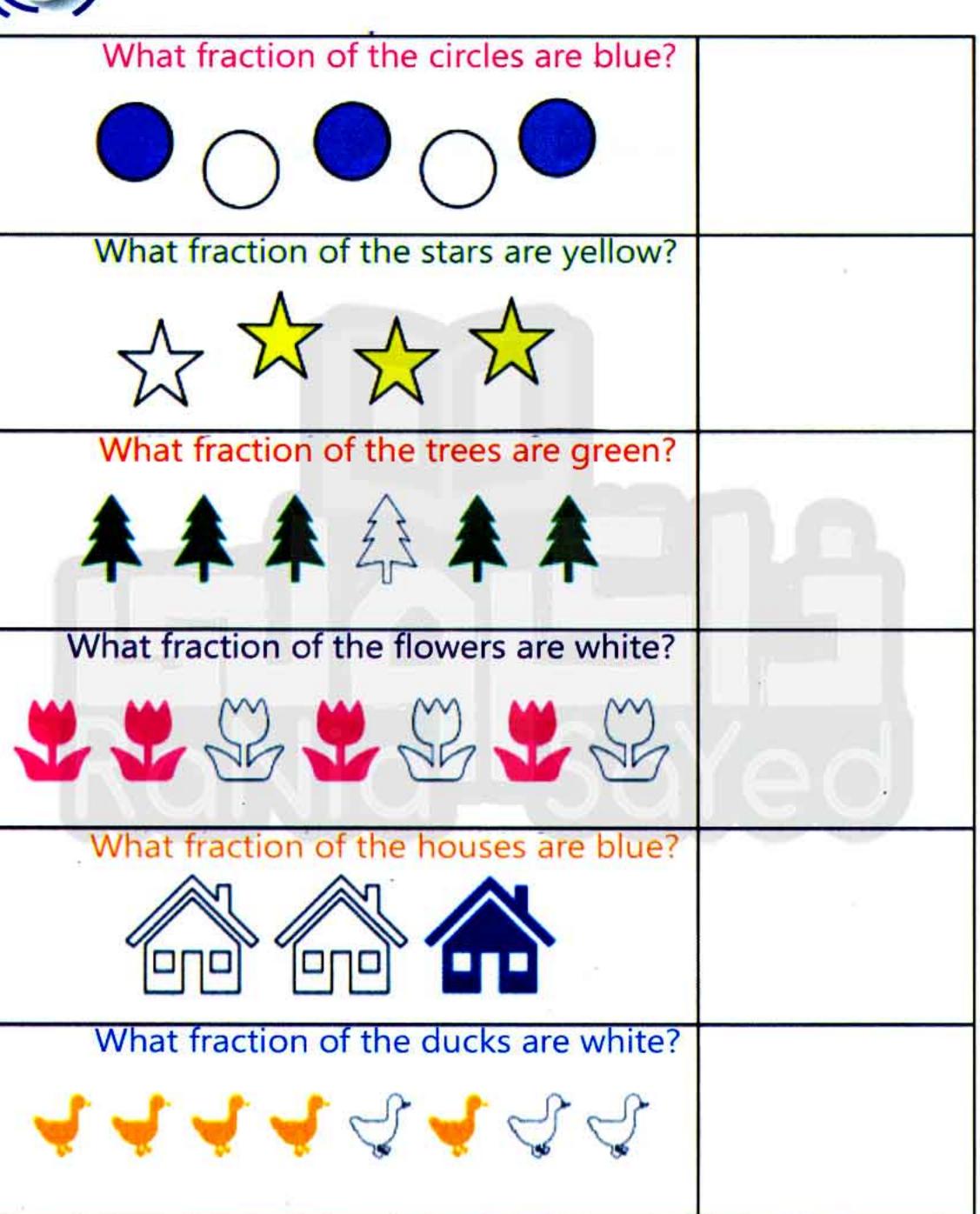


- 1. What fraction of the shapes are stars?
- 2. What fraction of the shapes are shaded?
- 3. What fraction of the shapes are shaded hearts?





Write the correct fraction in each of the following:











Color according to the given fraction:

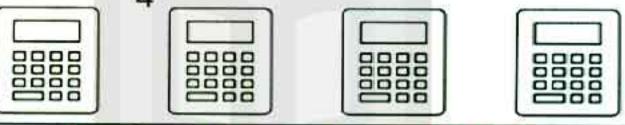




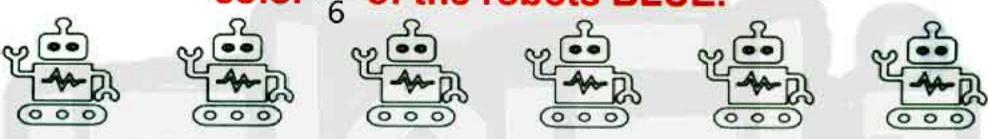
color & of the stamps ORANGE.



color $\frac{3}{4}$ of the calculators RED.



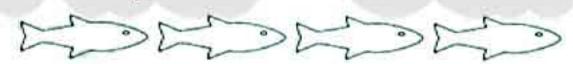
color 5 of the robots BLUE.



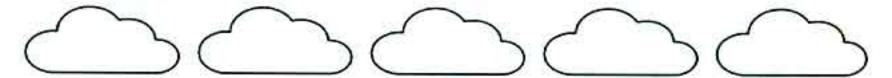
color - of the light bulbs YELLOW.



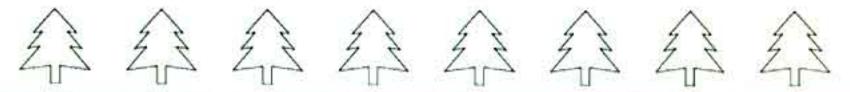
color $\frac{1}{2}$ of the fish GREY.



color $\frac{2}{5}$ of the Clouds BLUE.



color $\frac{3}{\alpha}$ of the trees GREEN.



%7=3+V6< \$255 >2-V1×8+



Match each fraction with its correct shape:

 $\frac{3}{4}$

 $\frac{2}{3}$

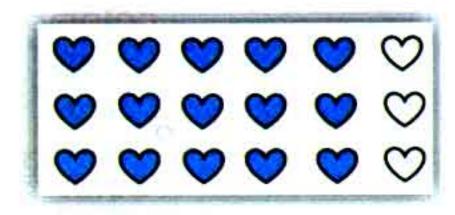
2+2

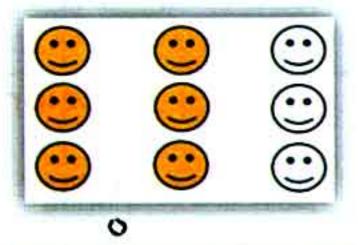
<u>5</u>

6 9

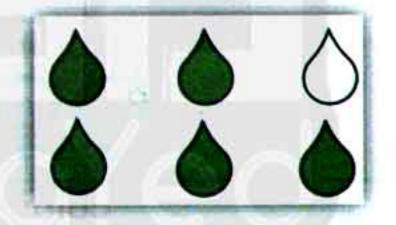
 $\frac{15}{18}$

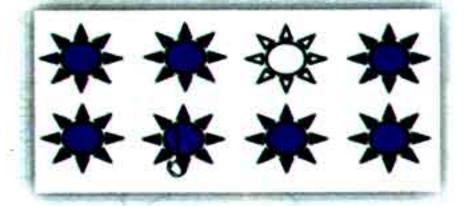
7 8

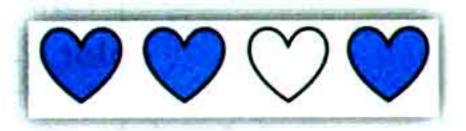






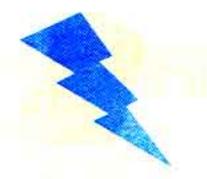








Draw shapes according to each fraction:

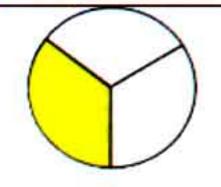




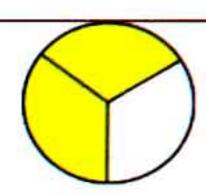
هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلقة المعلق



Circle the greater fraction :



 $\frac{1}{3}$



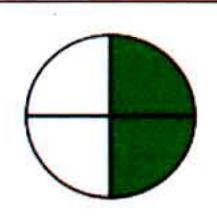
 $\frac{2}{3}$



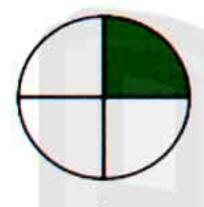
 $\frac{4}{5}$



<u>3</u>



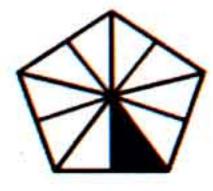
 $\frac{2}{4}$



-4

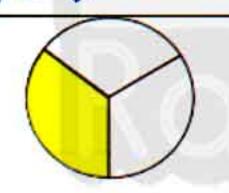


 $\frac{2}{10}$

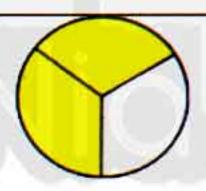


10

Circle the smaller fraction :



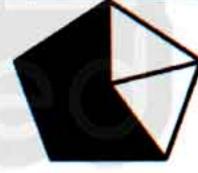
 $\frac{1}{2}$



 $\frac{2}{3}$



 $\frac{4}{5}$



<u>3</u>



2



 $\frac{1}{4}$



2



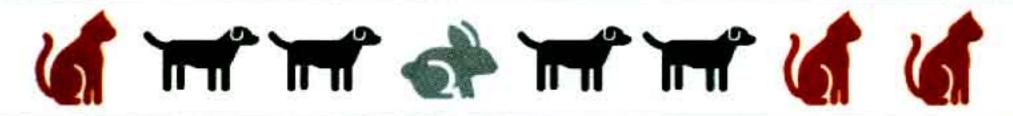
10







Answer questions about fractions :



What fraction of the animals are rabbits?

What fraction of the animals are cats?

What fraction is greater?



What fraction of the group are leaves?

What fraction of the group are trees?

What fraction is greater?



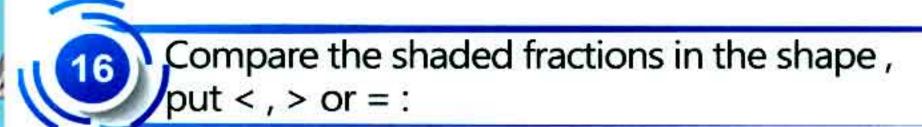
What fraction of the utensils are knives?

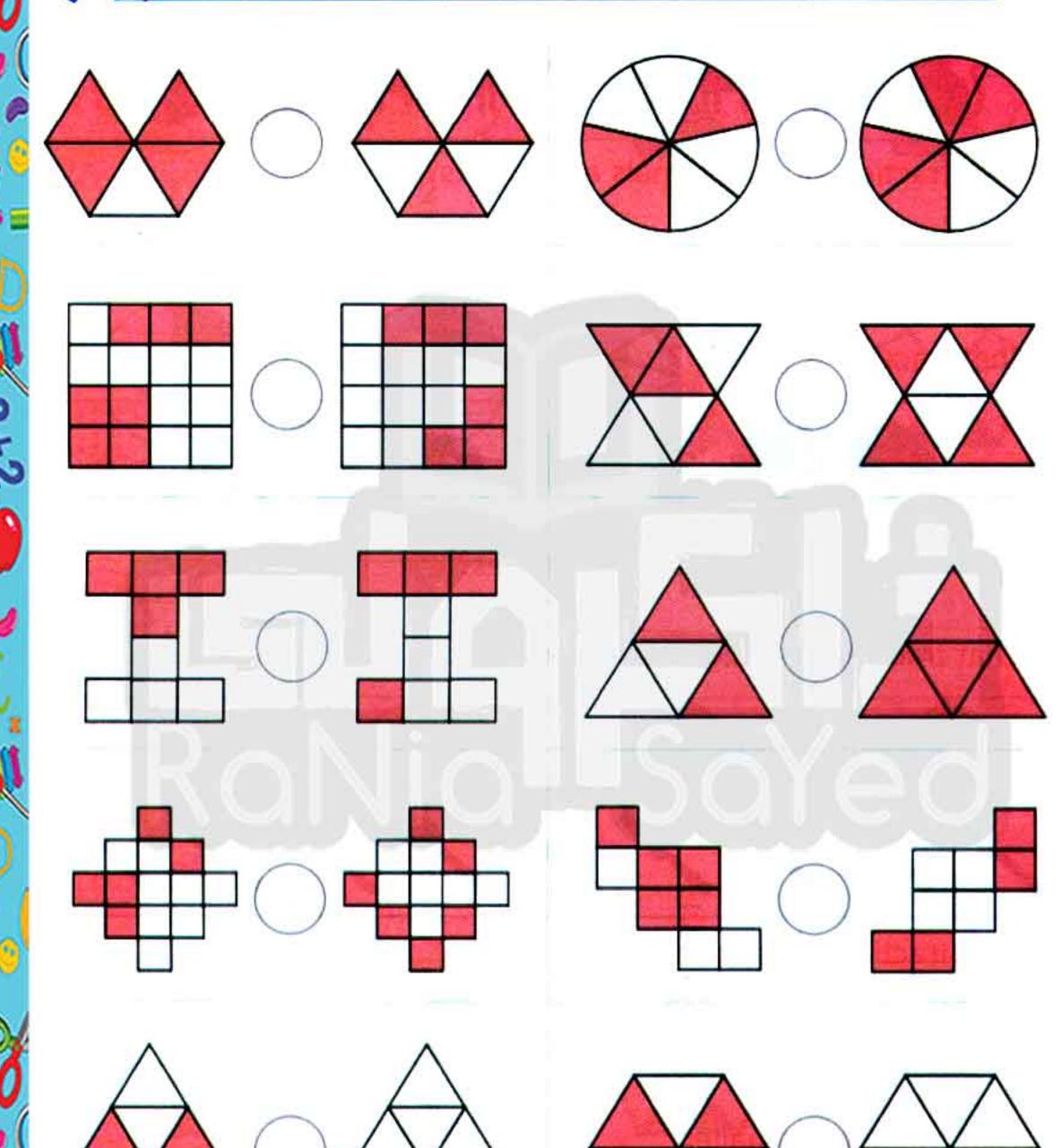
What fraction of the utensils are spoons?

What fraction is smaller?













Fractions word problem



By the end of this lesson the student should be able to:



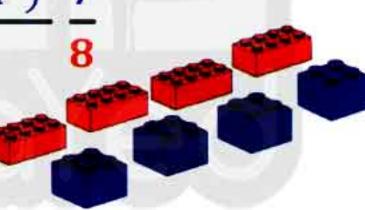
- Solve story problems involving fractions of a whole or a set.
- Evaluate their progress in learning about fractions.
- Partition rectangles into three or four equal parts.
- Demonstrate understanding that each fractional part of a rectangle is part of a whole.

Example

Ahmed had 8 blocks. He used 7 blocks to build a house. Write the fraction of the number of cubes that Ahmed used?

Numerator (blocks that Ahmed used) 7

Denominator (all blocks)



Example

The farmer had 6 cows. One of them ran away. How many cows are left? Write the fraction of the number remaining cows.

Numerator (cows that ran away)

Denominator (all cows)





هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلق



المن الثاني الابتدائي (مركع الكرالي التعليم) كتاب سند باد

my

Exercise 5



Read and Solve each problem:

- Fran baked 12 lemon tarts for her son, Bob. He gobbled up 4 tarts. What fraction of lemon tarts did Bob eat?
- Gina travels a distance of 7 miles to reach home. The bus ride covers 5 miles. She then walks 2 miles to reach her home. What fraction of miles does Gina travel by bus?
- 3) Anne has 24 pencils in a box. Eighteen pencils have #2 marked on them and the 6 are marked #3. What fraction of pencils are marked #3?
- 4) Dylan has a total of 25 marbles. He gives 5 marbles to his sister, Jane. What fraction of marbles did Jane receive?
- 5) Emily places 15 roses in a beautiful glass vase. It holds 6 yellow roses and 9 red roses. What fraction of roses are red?



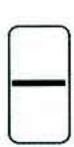
4) A cardiologist had 19 appointments fixed for Tuesday. Five appointments were cancelled that morning.



What fraction of patients kept their appointments with the doctor on Tuesday?



What fraction of patients cancelled their appointments with the doctor on Tuesday?



my

5) Nancy and John bought a large pepperoni pizza. The cook cut the pizza into 8 slices. John ate 3 slices and Nancy ate 2 slices. Jeremy came by and asked if he could eat the rest of the pizza.

How many slices of pizza are left for Jeremy?



- What fraction of the pizza did John eat?
- What fraction of the pizza did Jeremy eat?



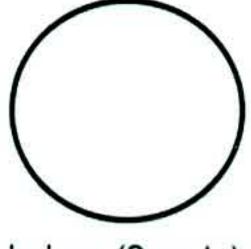
لا تئس الاشئراك في قنـوات ذاكـرولي على نطبيق الليجرام

هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى في المعلونية في العمل العمل



Divide each shape into the number of equal parts shown.

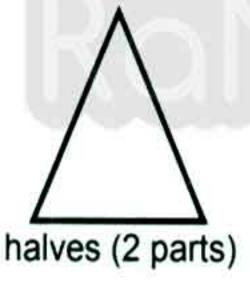
Remember, all parts must be identical!



halves (2 parts)



quarters (4 parts)



halves (2 parts)



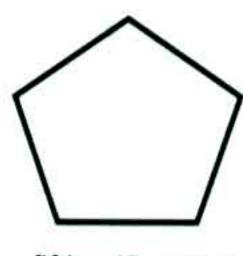
thirds (3 parts)



quarters (4 parts)



eights (8 parts)



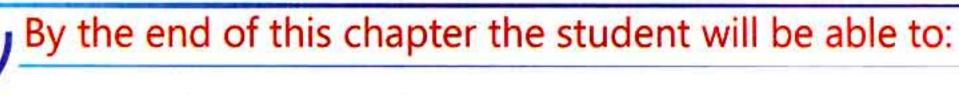
fifths (5 parts)





Lessons from 111 till 120

We will combine the explanation of some lessons in order to make it easier for the parent to explain them to the child and for the child to understand them better.



- Interpret data in bar graphs with a scale of 5 or 10.
- Interpret data in pictographs with a scale of 2 or 5.
- Explain why it is important to use an appropriate scale when creating graphs.
- Organize four categories of data into a bar graph.
- Choose an appropriate scale based on the data being graphed.
- Create and solve put-together, compare, and take-apart problems using data.
- Organize four categories of data into a pictograph.
- Choose an appropriate scale based on the data being graphed.
- Create and solve put-together, compare, and take-apart problems using data.
- Identify real-world arrays.
- Write repeated addition sentences for arrays.
- Calculate the total number of objects in arrays.
- Create arrays with given rows and columns.
- Write a repeated addition sentence to express the total number of objects in an array.
- Add and subtract 1-, 2-, and 3-digit numbers.
- Apply a variety of strategies to solve problems.
- Identify and correct errors in their work and the work of others.
- Add and subtract 2- and 3-digit numbers.
- Write story problems for addition and subtraction equations.
- Apply a variety of strategies to solve addition and subtraction story problems.
- Evaluate their progress in adding and subtracting with regrouping.
- Describe major skills and concepts learned in Primary 2.
- Reflect on their learning in Primary 2 Mathematics.





Interpreting Data



To the parents

By the end of this lesson the student should be able to:

- Interpret data in bar graphs with a scale of 5 or 10.
- Interpret data in pictographs with a scale of 2 or 5.
- Explain why it is important to use an appropriate scale when creating graphs.
- Organize four categories of data into a bar graph.
- Choose an appropriate scale based on the data being graphed.
- Create and solve put-together, compare, and takeapart problems using data.
- Organize four categories of data into a pictograph.
- Choose an appropriate scale based on the data being graphed.
- Create and solve put-together, compare, and takeapart problems using data.

What is a Graph?

It means collecting, recording and presenting information in a way that is useful to others.

- It is a graphical representation of the data, where the data is represented in an organized manner by symbols, such as the bars in the bar graph, the lines in the line chart, or the pictures in the pictograph.
- Graphs are used to facilitate understanding of large amounts of data and the relationships that link them.
- The graph can be read more quickly than the written information.



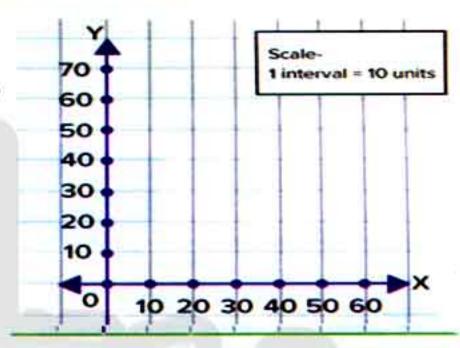




What is a scale?

A scale in graphs can be defined as the system of marks at fixed intervals, which define the relation between the units being used and their representation on the graph.

 Here, for instance, the scale of the graph is 1 interval being equal to 10 units.

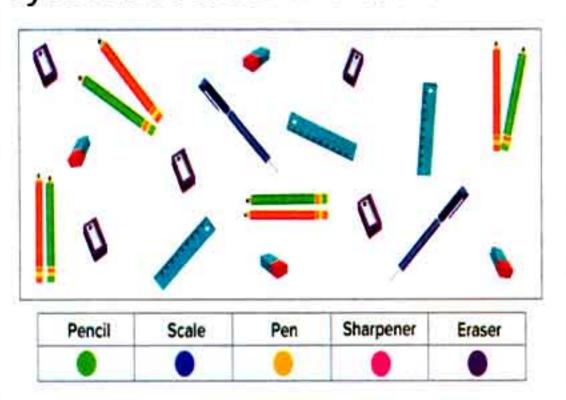


Remar

The points on the graph often represent the relationship between two or more things.

Example

We can represent the data given below, the type and the number of school supplies used by students in a class, on a graph. We begin by counting each supply and representing the data in particular colors in a systematic order in a table.



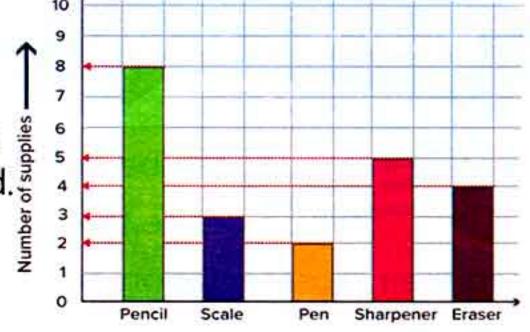
•	
0	
	• •
	• • •
:	
Types of school supplies	Number of school supplies





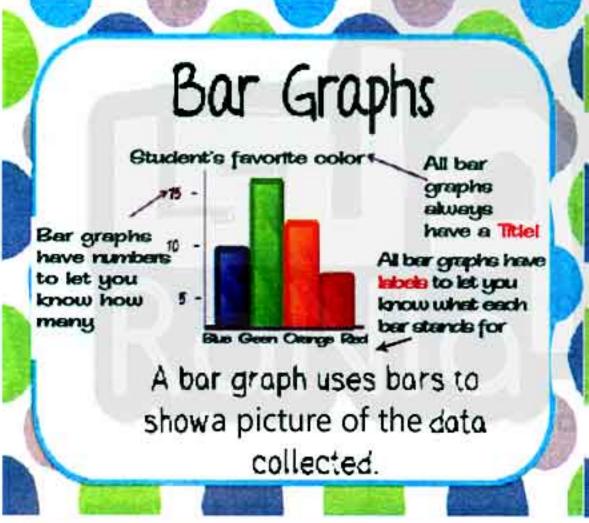
Remark

We then represent the data using a bar graph. The number of each of the supplies is represented with bars. The more the height of the bar, the more is the number of the supply or item used.

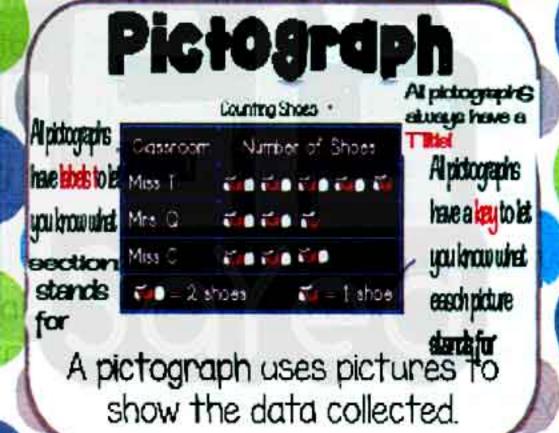


There are different types of graphs. Picture graphs, bar graphs, pie charts and line graphs.

Types of graph



Bar graphs shows rows or columns appearing as bars in order to compare information.



Pictograph is illustrated in the form of pictures, in order to compare the information collected, which is the only type that has a key.



هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلود

م الكرالي التعليمي كتاب سندياد

الصف الثاني الابتدائي

Exercise 1

Use the information from the graph to answer the questions:

Helen has a hobby of making dolls. The pictograph shows the number of dolls she made each week.

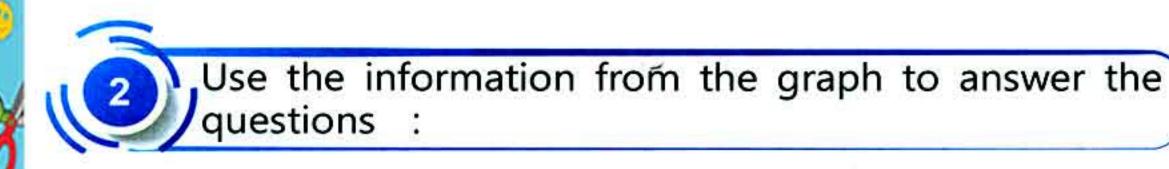
	Doll Making			
Week	Number of Dolls			
Week 1				
Week 2	***			
Week 3	***			
Week 4	***			



- 1. How many dolls did Helen make in week 2?
- 2. In which week, Helen made 40 dolls?
- In which week, Helen made fewest dolls?
- 4. How many fewer dolls did she make in week 4 than week 3?
- 5. How many dolls did she make altogether in four weeks?







The pictograph shows the sales of pizzas in five rivalry pizzerias on Friday.

	pizza Sales				
pizzeria	Number of pizzas				
pizza House					
Domiano's pizza					
poppers pizza					
Little Secrets pizza					
Uncle John's pizza	(20) (20) (20) (20)				

key = 20 pizzas

key 10 pizzas

- 1. Which has the second sales?
- 2. How many pizzas were sold by Domiano's Pizza?
- 3. How many more pizzas were sold by Uncle John than Little Secrets?
- 4. Which pizzeria sold fewer pizzas; Pizza House or Poppers Pizza?
- 5. How many more pizzas should Pizza House need to sell to have the sales equal to Domiano's Pizza?







Use the key, draw the pictograph to show the information:

Tanya found a basket of fruits in her home. She counted the fruits of each kind and made a tally chart.

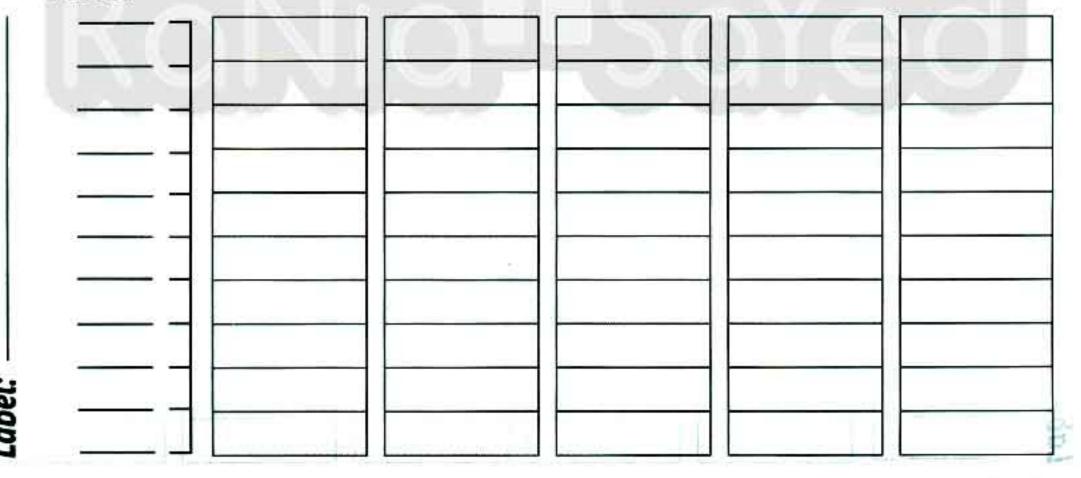
Fruit Basket					
Fruit Number of fruits					
ĕ Apple ₩					
● Mango					
Pineapple					
Strawberry					
Watermelon					

Fruit Basket					
Fruit Number of fruits					
Apple					
Mango					
Pineapple					
Strawberry					
Watermelon					

Key

= 2 Fruits

Title:



Label:







Use the key, draw the pictograph to show the information:

Amy, Mike, Julie, Tony and Ellen took part in banana eating competition. The tally chart shows the number of bananas ate by each of them.

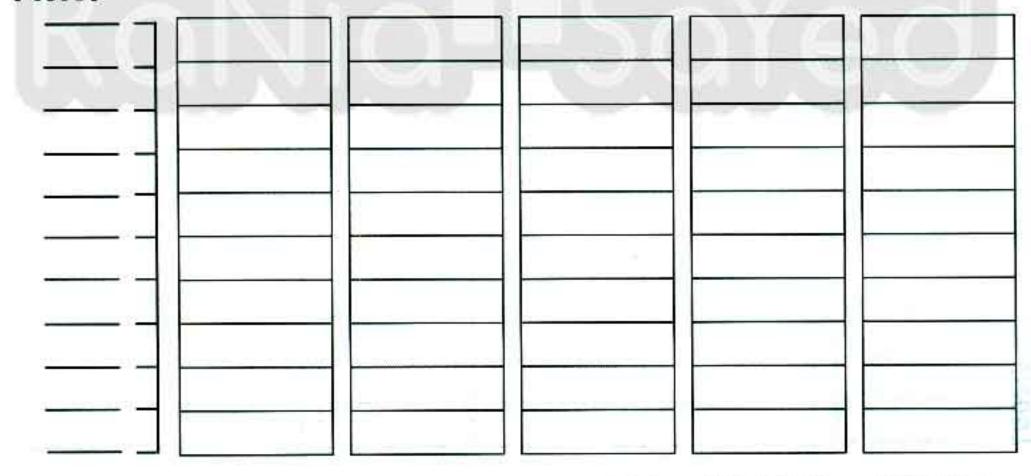
Banana Eating				
Name	Number of Bananas			
Amy				
Mike				
Julie Julie				
Tony	WI.			
Ellen				

Banana Eating Graph				
Name Number of Bananas				
Amy				
Mike				
Julie				
Tony				
Ellen				

Key

3 Bananas

Title:









Good Shepherd Elementary School organized a donation program to motivate the kids to donate clothes for charity. At the end of the program, the management collected a data to show the number of clothes donated by each grade.

Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
12	6	18	15	12

Charity clothes		
Grade	Number of clothes	
Grade 1		
Grade 2		
Grade3		
Grade 4		
Grade 5		



- 1. Which two grades were donated the equal number of dresses?
- 2. Which grade has donated fewer dresses, Grade 3 or Grade 4?
- 3. Which grade has donated dresses fewer than 100?







Use the key, draw the pictograph to show the information:

Sally plays in the garden every day. She counts the butterflies each day and records the information in a table. Help her to represent the data in the pictograph and answer the questions.

Day 1	Day 2	Day 3	Day 4
10	12	4	8

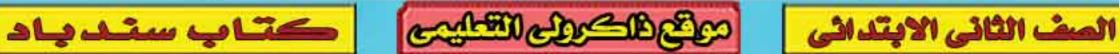
Butterflies in the Garden					
Day Number of Butterflies					
Day 1					
Day 2					
Day 3					
Day 4					
Day 5					



- On which day does Sally see fewest butterflies? When does Sally see more butterflies, Day 1 or Day 2?
- 2. Which day does she see 8 butterflies?
- 3. How many butterflies does Sally see on Day 3 and Day 4?







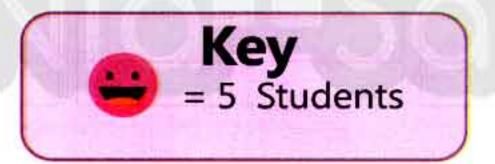


Use the key, draw the pictograph to show the information and answer the questions:

Sun Rise Middle School took a survey among the students on their favorite trip destination. The results were recorded in a table.

Museum	Zoo	Planetarium	Aquarium	Farm
35	45	25	30	25

Field Trip				
Destination	Number of students			
Museum				
Zoo				
Planetarium				
Aquarium				
Farm				



- Which trip destination is the second most popular?
- 2. How many students did not choose Zoo as their favorite?
- 3. If 75 more students vote for farm, which would top the chart, farm or zoo?
- 4. How many students were participated in the survey?

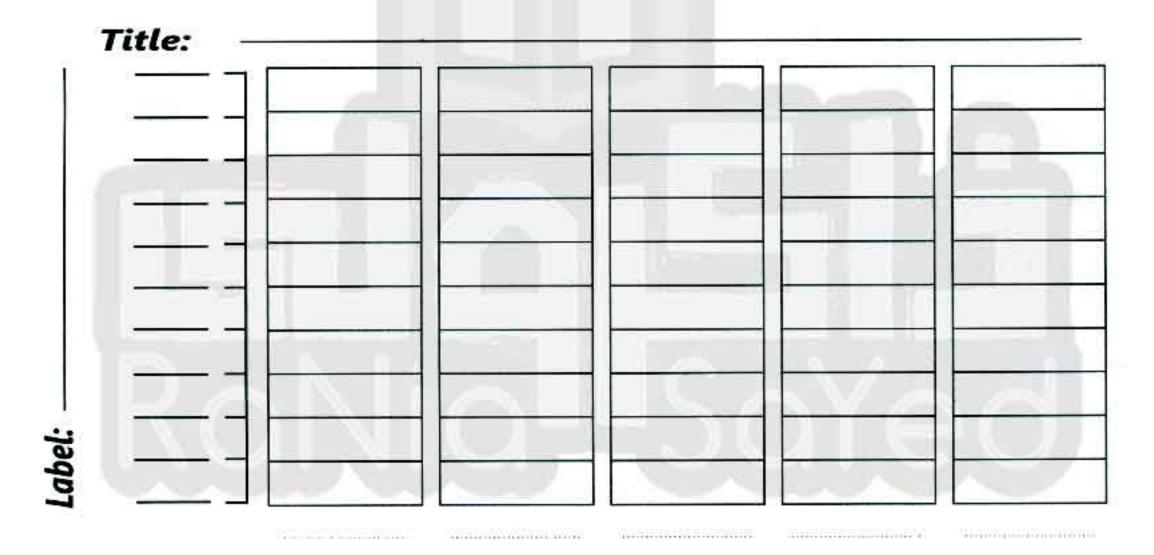




Read the data and draw a bar graph. Answer the questions:

Mrs. Barbara, a third-grade teacher recorded a data on favorite ice-cream Favors of her class students.

Chocolate	Pista	Vanilia	Strawberry	Butterscotch	
36	16	12	32	24	



Did more students like Chocolate or Butterscotch?

How many fewer Pista flavors did the kids like than Strawberry

flavors?

Label:

Tick the flavor that tops the third place.

Chocolate Pista Vanilia Strawberry

4. How many kids were participated in the survey?



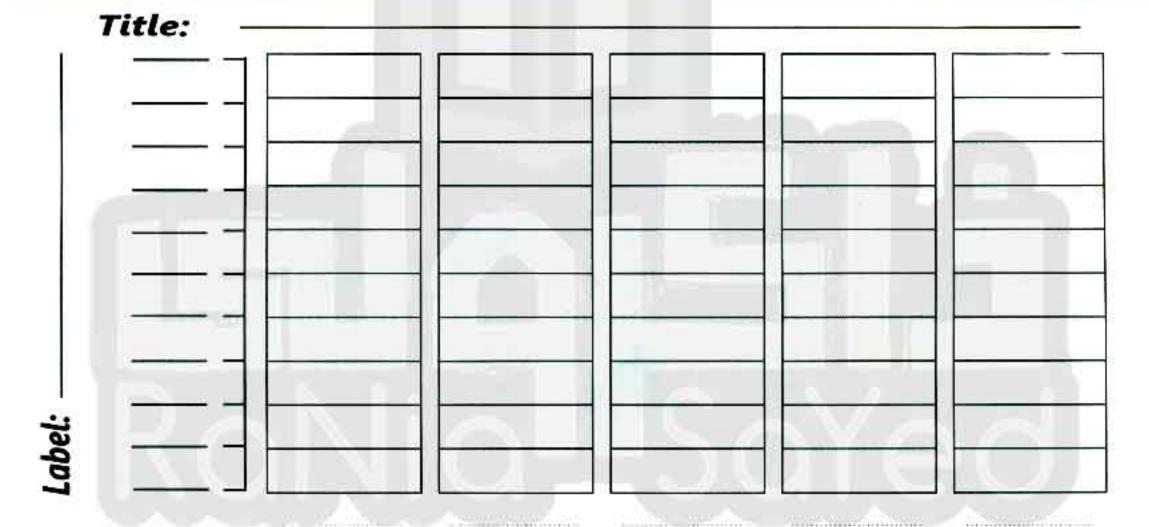




Draw a bar graph to represent the data and answer the questions :

A Sports Magazine took a survey among its readers on their favorite sport and recorded the data.

Volley Ball	Base Ball	Soccer	Foot Ball	Basket Ball
200	900	500	800	600



Label:

- Which sport is least popular?
- 2. Which is the most popular sport?
- 3. To have a same number of votes for soccer ball and football, how many more votes will soccer ball require?
- 4. If 200 more readers vote for soccer, would it be the new topper on the chart?

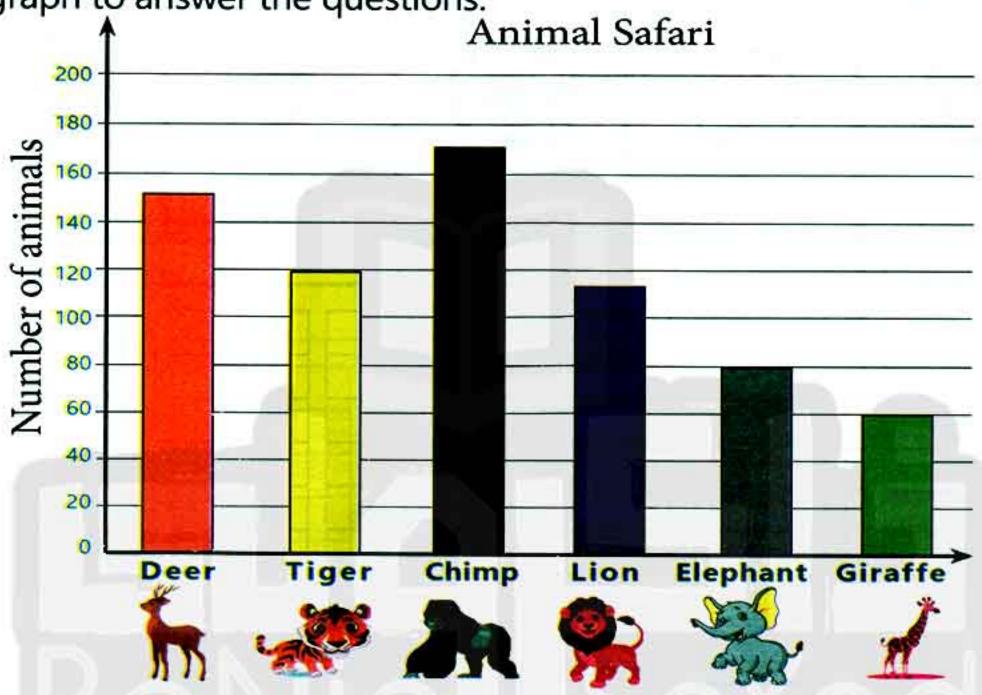


هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والعمول العمل ا



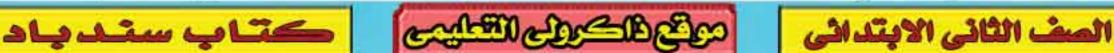
Use the graph to answer the questions:

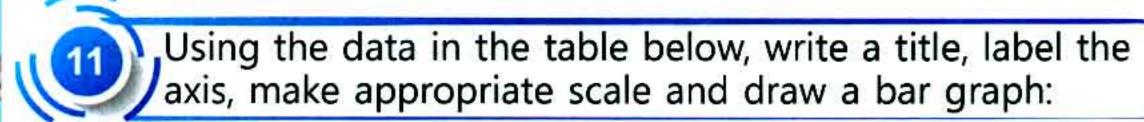
African Zoo, a drive-through safari invites visitors to spend the day with six types of animals, including various activities like feeding, bathing and more. The graph shows the number of animals in each kind. Use the graph to answer the questions.



- Write a number at the end of each bar to display the number of animals of each kind.
- 2. Are there more Chimps or Deer?
- 3. Which animal is double the count of Giraffe?
- 4. How many more elephants are required to have an equal number of lions?
- 5. African zoo made an exchange deal with El Giza zoo. They exchanged 10 tigers, 5 lions and 15 chimps for 9 elephants, 15 deer and 5 giraffes. What would be the new count of animals in each kind?







A survey is conducted among the group of students regarding their mode of transportation to school.

Car	Car Train		Bicycle	Bus	
		TA .	000		
80	20	40	60	100	

Title:

			
		<u> </u>	
			-1
		7.7	

Label:

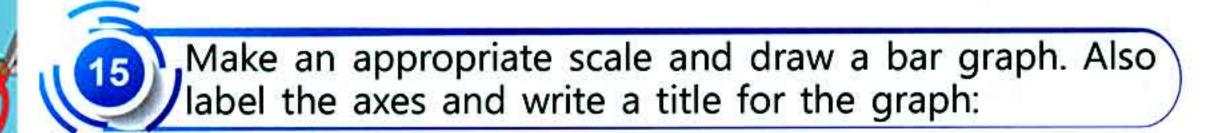
Using the data in the table below, write a title, label the axis, make appropriate scale and draw a bar graph:

Kevin's Animal Sanctuary conducted a survey among the students on their favorite animals and recorded the data.

Lion	Elephant	Snake	Panda	Tiger
45	35	25	10	40



%7=3+V6< 1283 >2 -



The Mac Pie bakery records the sales of pies in the working days of a week.

Day	Number of Pies sold
Monday	10
Tuesday	8
Wednesday	4
Thursday	14
Friday	12

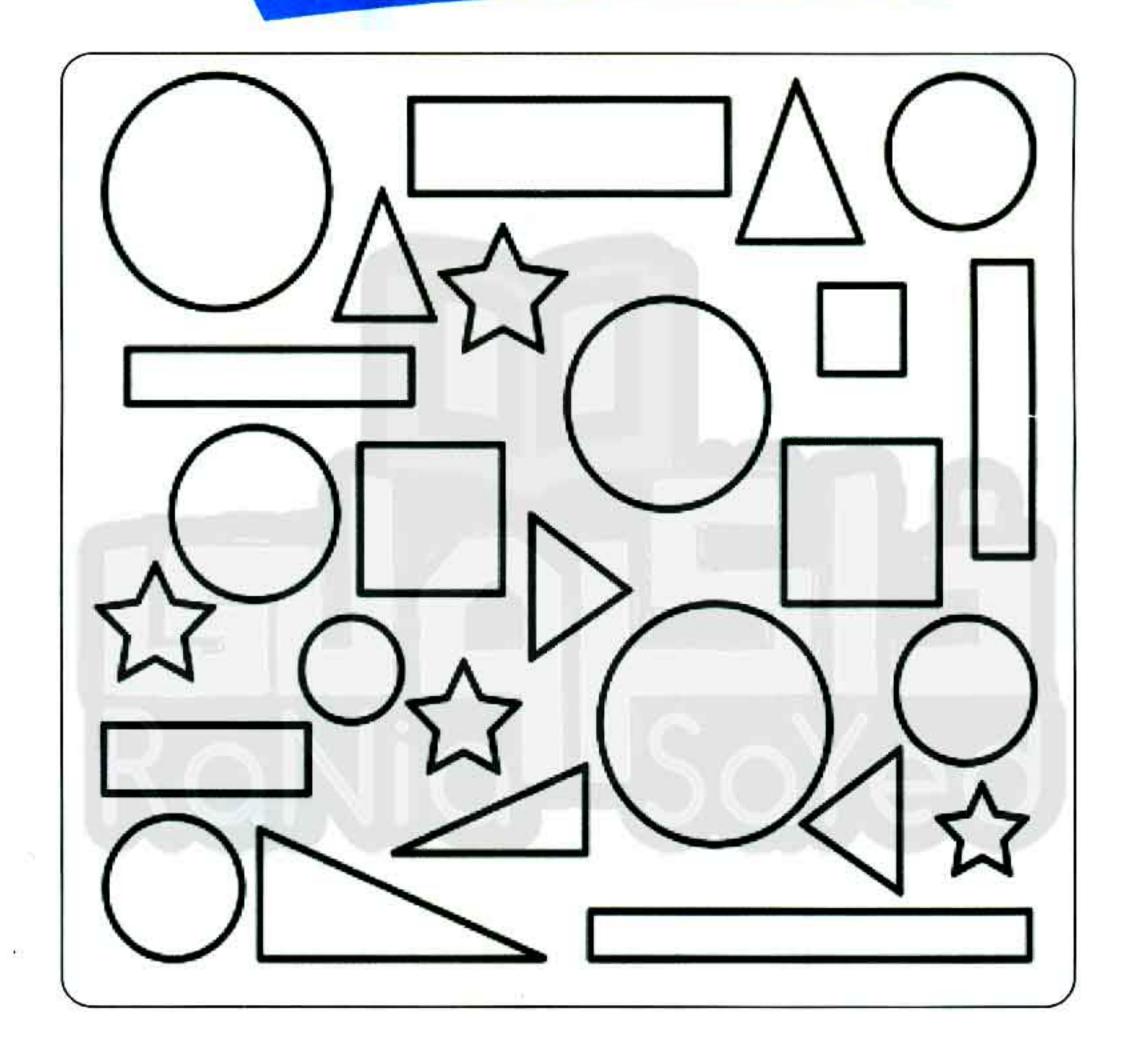


%7=3+V6< (284) >2-V1×8+



Make an appropriate scale and draw a Bar graph. Also label the axes and write a title for the graph:

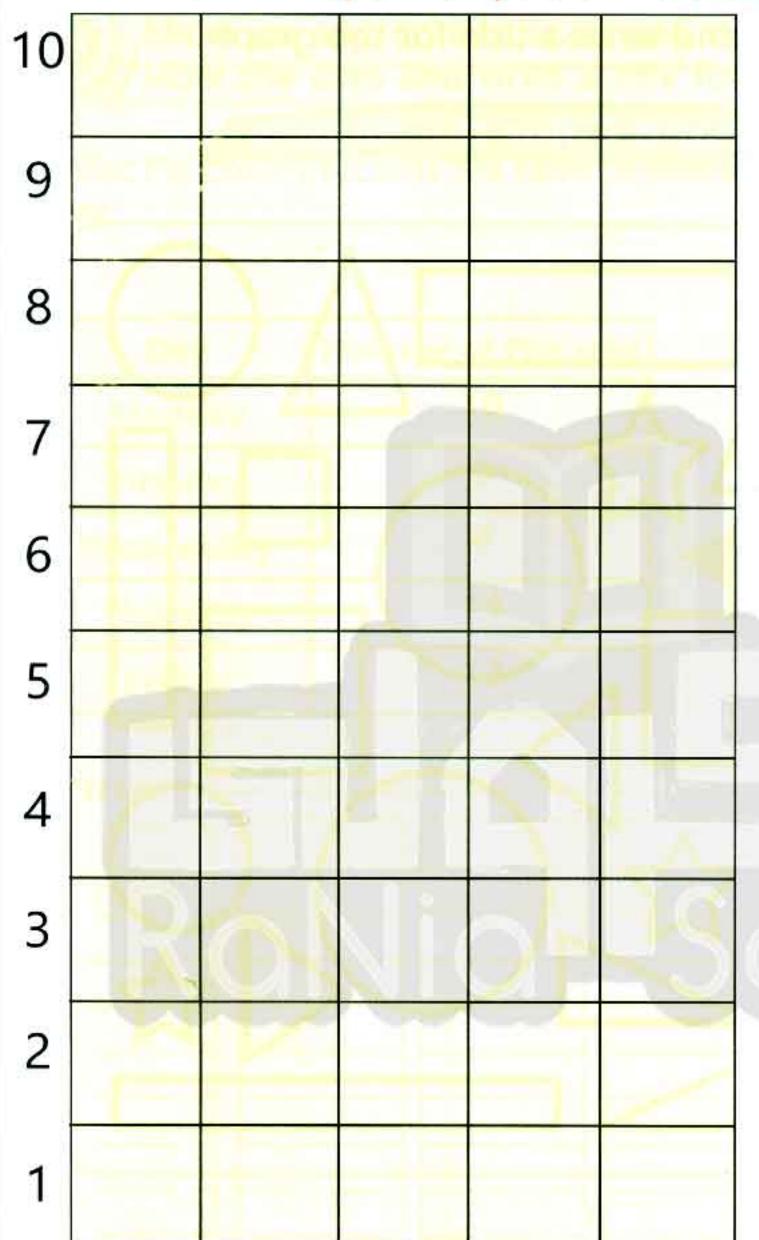
Count and Color the Shapes



- Color all the circles red. 3. Color all the stars green.
- Color all the squares blue. 4. Color all the triangles purple.
 - Color all the rectangles orange.



Count each shape then put it in the table and graph it



Shape	Number

- How many more circles than stars?
- How many more triangles than rectangles?
- How many shapes in all?



Revision on Arrays, Addition and subtraction



Arrays



To the parents

By the end of this lesson the student should be able to:

- Create and solve put-together, compare, and take-apart problems using data.
- Identify real-world arrays.
- Write repeated addition sentences for arrays.
- Calculate the total number of objects in arrays.
- Create arrays with given rows and columns.
- Write a repeated addition sentence to express the total number of objects in an array.

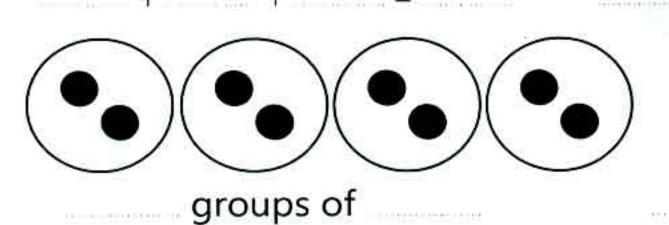
1 Write the addition sentence in each of the following:

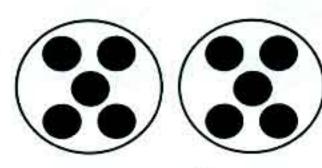




groups of

groups of





groups of



هذا العمل خاص بموقع ذاكرولى التعليمي ولا يسمح بتداوله على مواقع أخرى المعلمونة





الصف الثاني الابتدائي

المن الثاني الابتدائي (مركع الكولي الكليجي كتاب سند باد



Addition and Subtraction



By the end of this lesson the student should be able to:

- Apply a variety of strategies to solve problems.
- Identify and correct errors in their work and the work of others.
- Add and subtract 2- and 3-digit numbers.
- Write story problems for addition and subtraction equations.
- Apply a variety of strategies to solve addition and subtraction story problems.

Decompose each addend to find the sum. Add the tens. Then add the units.

Example

$$45 + 13 =$$

Add the units together: 5 + 3 = 8Add the tens together: 40 + 10 = 50Then 50 + 8 = 58

Example (2

Problem: Solve 37 + 55 by decomposing the numbers.

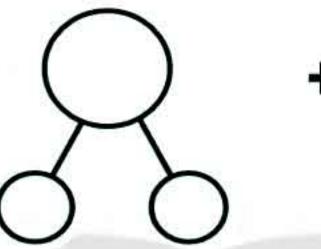


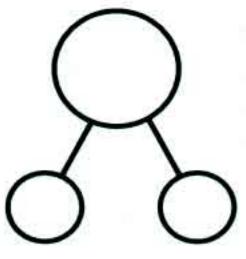


ړ9

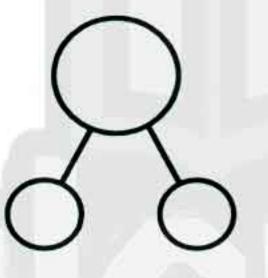
Solve the addition using the decomposition method:

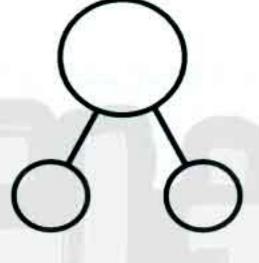
53 + 13 =



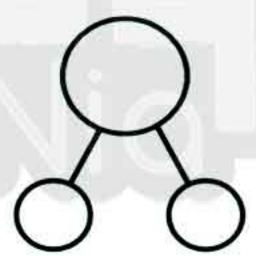


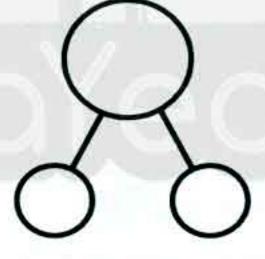
46 + 13 =



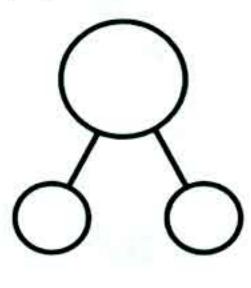


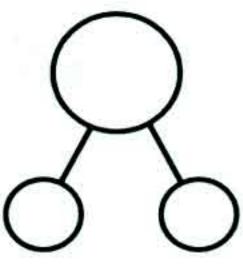
34 + 28 =





65 + 27 =





%7=3+V6< (290) >



Find the result in each of the following:





Find the result in each of the following:



Write numbers in the spaces to correctly complete the calculations below. Look out for any re-grouping that might be required:





Read each word problem and solve :

1) Ken had 53 pieces of candy. He gave 28 of them away. How many pieces of candy does Ken have left?

2) There are 147 people watching a movie in Theatre A. The theatre has a total of 280 seats. How many seats are empty?

3) Tom has 47 quarters. His dad gave him 14 more. How many

quarters does Tom have in all?

4) Tina read 433 pages of her book. If there are 873 total pages, how many more pages does she have left to read?

5) John saw 230 ants while on a picnic. He dropped a cookie and then 119 more ants came out. How many ants did John see altogether?

6) Eric had 167 hats. His uncle gave him 82 more. How many hats does Eric have in all?

7) Michelle had 377 candles. She used 240 of them. How many candles does she have left?





Answer the following questions:

1) Find:



b)

c)

- 2) Choose the correct answer :
- a) is an odd number

(672 or 826 or 721)

b) Two thirds =

 $(\frac{1}{3} \text{ or } \frac{2}{3} \text{ or } \frac{3}{4})$

c) The fraction that represents the shaded part is



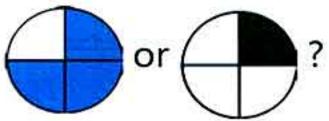
d) The fraction $\frac{1}{4}$ is written as (half or third or quarter)

e) In whole 1, there are _____quarters (2 or 4 or 6)

f) Any even number + 1 =

(even or odd)

g) Which is greater (













هذا العمل خاص بموقع ذاكرولي التعليمي ولا يسمح بتداوله على مواقع أخرى والمعلوم

المث الثاني الابتدائي صحاكي الكيل الكيل الكيل الكياب سند باد

- 3) Put the suitable sign (<,> or =):
- a) 52+800

83+600

b) 946-246

142+558

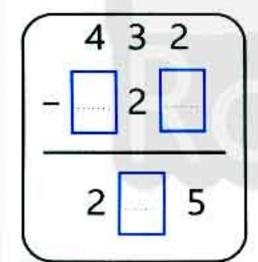
c) 543

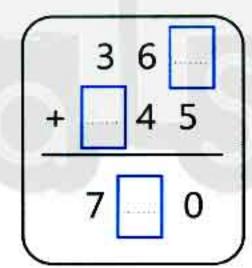
- 534
- 4) Hany bought a suit for 117 pounds and a shirt for 106 pounds. How much money did he spend?

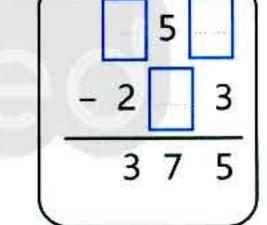
He spent= pounds

- 5) Complete in the same pattern:
- 1) 700 , 500 ,
- 3) 912 , 932 ,
- 6) Complete









- 7) Circle the closest number to the correct answer
- a) 457 241

(100, 200, 300, 400, 500, 600)

b) 456 +134

(100, 200, 300, 400, 500, 600)

c) 643-359

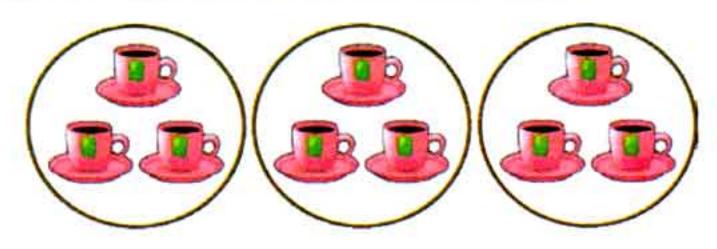
(100, 200, 300, 400, 500, 600)

d) 609 - 469

(100, 200, 300, 400, 500, 600)



8) Fill in the blank to describe the model.



groups of cups There are

9) Children in class voted on their two tastiest fillings.

Complete the pictograph and the table.

Sandwich Survey

cheese	0	0	0					
Egg	0	0	0	0	6		U III	
pickle								
Tuna	0	0	0	0	0	0	0	0
peanut butter	0	0	0	0	0	6		

Sandwich	Votes
Cheese	6
Egg	
Pickle	5
Tuna	
Peanut Butter	

Key = 2 children = 1 child

